

May 2014

adf architects datafile

Healthcare build & design:
New cancer centre at
Guy's Hospital, London

Commercial offices:
Savile Row, London

Eco Technology Show
preview and eco &
sustainable products
showcase

Plus news, events & products

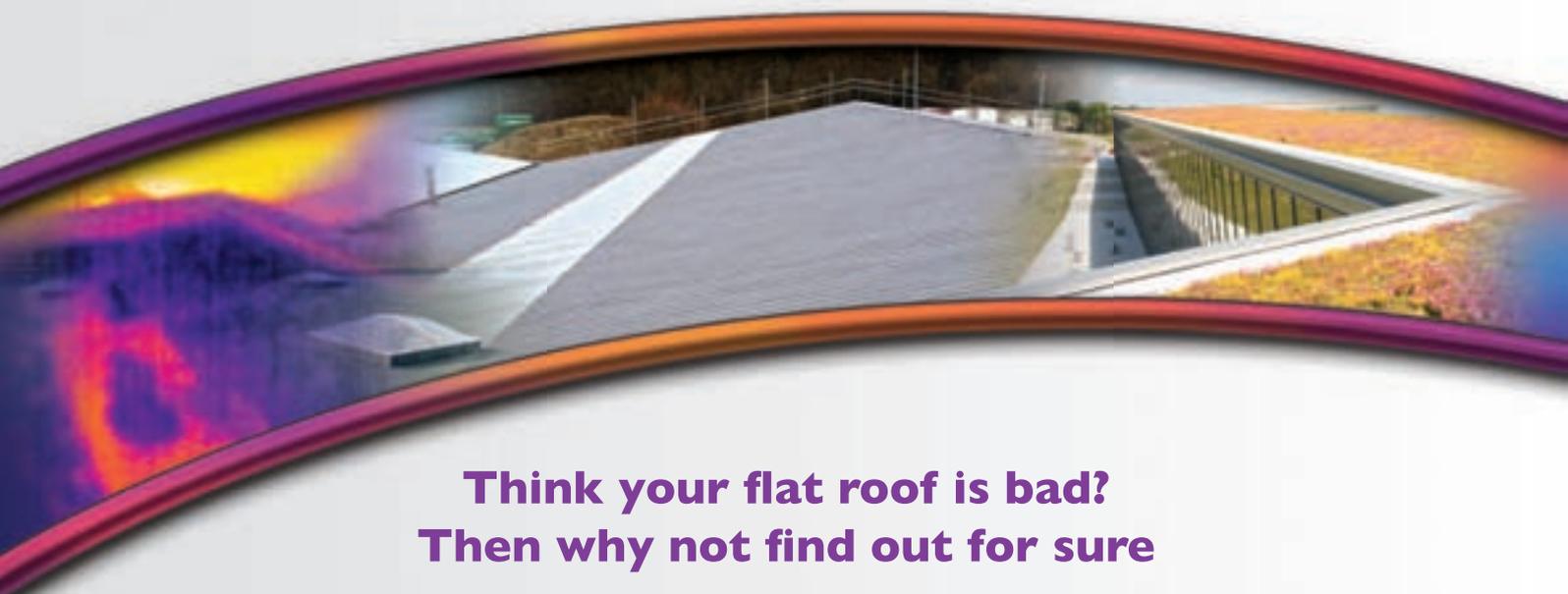


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brise soleil (external shading systems)
roofing • playgrounds & playground equipment
disabled products & services

incorporating

**BUILDING
PROJECTS**



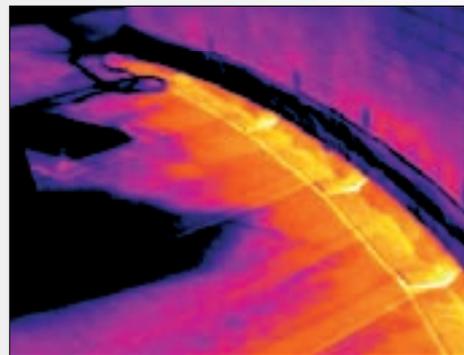
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Cover image: Fuzhou Wulibei
Thalhot Plaza, © Shu-He
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The London Festival of Architecture announces over 150 activities in 2014 programme of events

The London Festival of Architecture (LFA) is 10 years old and its role within the UK architectural scene is growing. The annual, city-wide festival features over 150 activities taking place throughout June. This year's theme, Capital, provides the framework for the festival to explore London in its role as a major architectural capital, covering culture, people, the economy and the environment.

The LFA is delivered through a programme of events organised by London's leading cultural and academic institutions – including the Royal Academy of Arts, Design Museum, Serpentine Galleries and National Trust – as well as associated projects by architects, artists, designers and curators.

Under the stewardship of its new Chair, Patricia Brown, the LFA reflects London as a focus of international architectural practice. The capital is a melting-pot of talent and diversity – from both the UK and the global community – and LFA 2014 provides the opportunity to showcase this to the public, as well as generating debate and engagement with the profession. Issues covered in-depth by this year's festival will include housing and tall buildings, with events and activities designed to put these subjects on the political agenda.

Headline events include:

- A major public debate about the quality of London's changing skyline at the LSE
- A landmark debate at King's Place on the future of housing

Rainforest installation © GUN Architects



- The first talk dedicated to Thomas Heatherwick's Garden Bridge
- An architectural LEGO battle, held at the Royal Academy
- A collection of pavilions popping up over the city, including the House of Muses at the Museum of London, the AA Rainforest installation by GUN architects and the Serpentine Summer Pavilion by Smiljan Radic (see page 6 of the *ADF Glass & Translucent Materials Supplement*)
- A host of talks, debates, film screenings, family activities, exhibitions, architectural evenings and more
- Visitors can explore the city on over 45 guided tours by bus, bicycle and on foot, and from the top of some of London's tallest buildings.

As well as one-off events, the festival will also feature a range of headline projects such as:

- Open Studios, with a series of activities and events coordinated by RIBA London and architects in Shoreditch and Fitzrovia
- The International Architecture Showcase, curated by the British Council, which will bring 10 London-based and 10 international architects from Austria, Chile, Denmark, Estonia, Iran, Latvia, Nigeria, South Africa, Taiwan and Uganda together in a series of residencies that will explore the influence of émigré architecture on London; culminating in a series of celebratory events on 21 June
- The Death and Life of Great London High Streets, a series of guided visits and discussions of recently completed projects funded by the Mayor of London that present practical ways to reinvigorate our high streets.

LFA Chair, Patricia Brown, says that "London is seen as one of the key cultural hotspots in the world but, so far, architecture is not readily viewed with the same significance as, say, the arts, theatre, film or music. The festival and its activities help to reveal the contribution of architects and the 'ecology' of professions working within the built environment to the cultural landscape of the UK.

"Moreover, many in the profession are leading the way on projects that have real impact on the quality of life of Londoners and their experience of the capital."

Fuzhou Wusibei Thaihot Plaza

This month's cover features stunning photography of Fuzhou Wusibei Thaihot Plaza at WuSi Bei Dajie, Jinan District, China. Its design enhances Thaihot's brand as a forward thinking, innovative retail developer. SPARK's design entwines the plaza, the street and the mall interior into a continuous circulation route that transforms the building into a living entity full of movement and energy. Twelve-hour daytime retail activities are concentrated in a seven-level shopping mall from which routes to the rooftop are carved out.

Here, various activities such as full service dining and cinema effectively create 24-hour traffic-free streets and squares attracting visitors not only to shop but also enjoy the plaza as a new social, entertainment destination.

The many facets of the building exist to serve different functions. Easing the edges of the building increases sightlines into the pedestrian street, which helps draw people in. Unlike some straight streets that shoot pedestrians quickly through, an undulating facade facilitates the natural ebb and flow of pedestrian traffic, creating a dynamic shopping experience.

Colour shifting aluminium panels on the facade create an exterior appearance that is constantly changing. While most panels are part of the building's skin, select facets serve key visual functions such as illuminated signage boxes, advertisements, and three LED screens. At night, perforations in the aluminium panels allow light to pass through to create a starry night effect.

On a rare occasion, chipping away at a stone will lead to the discovery of a cavernous core lined with mineral deposits exploding with radiant colour and light. The experience of entering SPARK's mall in Fuzhou is equally dazzling as a voluminous atrium filled with vibrant colour and light greets the visitor.

As an extension of the faceted façade a crystalline LED advertisement gem hovers over the atrium concierge as the visual focal point upon entering the mall. The pristine white interior atrium is accentuated by colour highlights on the escalators, which are sculpturally composed in the middle of the atrium. Linear LED light chandeliers sit over the interior events plaza. Back lit floor portholes are strewn across the atrium bridges like scattered jewels as a playful addition to the space.



'On a rare occasion, chipping away at a stone will lead to the discovery of a cavernous core lined with mineral deposits exploding with radiant colour and light'

Architecture and interior design: SPARK

Project director:
Jan Felix Clostermann

Team: Mingyin Tan, Christian Tacubert, Jian Yun Wu, Ben de Lange, Emer Loraine, Wang Haiyan Leo Micolta, Cary Cheng

Client: Thaihot Group

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

The sentiment of the Spanish and Italian architects for the first time slightly positive in Q1 2014...

Ref: 68266

May Design Series Silent Auction, a new twist in its charitable partnership with hot-property organisation Out of the Dark...

Ref: 24084

AWARD

Marseille Vieux Port wins European Prize for Urban Public Space

The redevelopment of Marseille's Vieux Port was jointly awarded the 2014 European Prize for Urban Public Space at a ceremony in Barcelona on Friday 25 April. The biennial prize, which attracted 274 entries from 30 countries, is organised by seven

architecture institutions and is the only award of its kind in Europe.

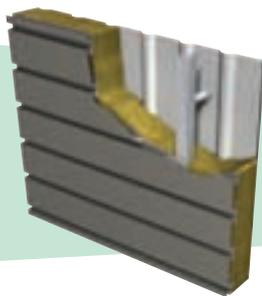
The Prize was established to recognise the public character of urban spaces and their capacity for promoting social cohesion. The regeneration of the Vieux Port, designed by landscape

architect Michel Desvigne Paris (MDP) and architect Foster + Partners, has reclaimed the quaysides as a civic space, removing traffic to create a safe, pedestrian friendly public realm and creating space for performances and events.

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PLANNING

Planning pipeline for schools

By Paul Graham, MD of cost-effective, bespoke project lead provider Planning Pipe (www.planningpipe.co.uk)



Cowes Enterprise College on the Isle of Wight seems to represent all that was wrong with the Building Schools for the Future (BSF) programme. Construction started on the innovative, environmentally-friendly, £32 million new secondary school in late 2010. The school opened last September – a year later than planned. Last month it was revealed the school required up to £9 million of repairs. Isle of Wight council was left to

foot the bill after the contractors on the project went into administration.

The Cowes College project appeared to embody criticisms of the whole BSF scheme – “...massive overspends, tragic delays, botched construction projects and [...] needless bureaucracy.” The new austerity post BSF promised less money but more value. School Minister David Laws stated recently that around £3 billion is being spent per year in

England alone on school estate repair and renewal.

While politicians debate the merits of how and how much repair and renewal is required, what does the immediate health of the sector look like? Planning Pipe examined over 800 new planning applications in the last six months involving significant refurbishment and new build work for schools across the UK.

UK schools construction market

The UK currently has just under 30,000 schools serving 9.75 million pupils. Demographic changes will see pupil numbers set to rise by around 150,000-200,000 per year until 2021.

Inevitably, the impact of this growth will fall initially on primary schools – followed by the more costly and complex impact on secondary schools.

Areas of high forecast future demand invariably coincide with areas of extremely limited capacity.

The majority of those areas are in the south of England – a fact borne out by the high number of current plans for new classroom space across the south.

To meet all UK demand, school capacity will need to see around 150 new schools or over 5,000 additional classrooms created every year until 2021.

More plans down south

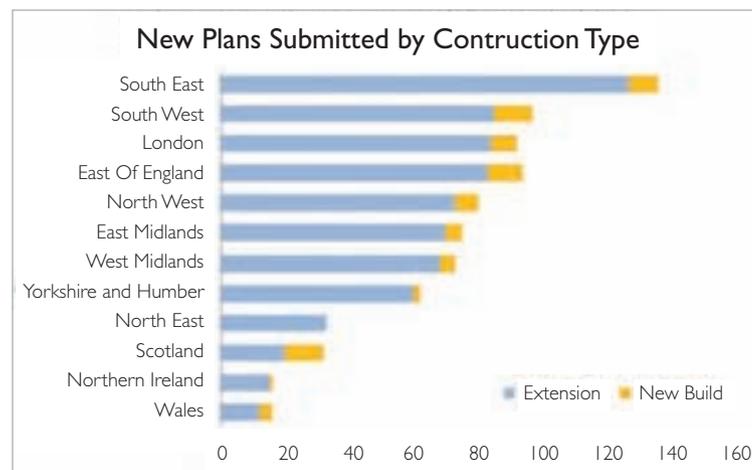
The South of England is responding to the strongest short and long term demand for growth. Around one in five of all new applications across the south involve temporary or modular buildings – reflecting the need to satisfy more immediate demand for the 2014/15 academic year.

Across the south new plans inevitably

cluster around areas such as Bristol, Poole, Bracknell and Tonbridge. Kent has seen plans for three new schools in the last six months alone.

Planning activity provides a telling picture of future construction activity in the schools sector. It is to be hoped that it is only a tiny minority of these schemes that may fall foul of the design,

management and delivery issues of Cowes Enterprise College. Aside from the political disagreements over the control and funding mechanisms, even politicians agree that more new schools must be built and more new places for teaching created. The economics of the school construction sector are patchy but positive.



Currently around 1,600 schools submit significant plans for extension or refurbishment each year on top of the new school plans.

news bytes

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Award-winning architects EPR to design new housing for Shredded Factory site...
Ref: 97143

Grimshaw completes first phase of Queens Museum...
Ref: 79487

Lord Foster recognised with inaugural Isamu Noguchi Award...
Ref: 86874

DB&B wins the prestigious International Property Awards for Pratt & Whitney Singapore...
Ref: 16642

Scotland's largest law firm commissions Keppie for new Aberdeen and Glasgow offices...
Ref: 76450

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SCHOLARSHIP

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City University London is delighted to announce the 2014 Masters in Innovation, Creativity and Leadership (MICL) Scholarship in partnership with the Design Council.

Inspired by the Design Council's Active by Design campaign, applicants for the scholarship are invited to submit ideas to create places where healthier lives will flourish. This means encouraging greater levels of daily activity in buildings and public spaces through the use of good design, e.g. what changes could be made to the design of the University to encourage activity?

The winner of the competition will be awarded a full scholarship for the MICL at City. A limited number of bursaries, worth £3,500 each, may also be available to qualifying runners-up.

In addition, the winner will have the option to pursue their submitted ideas throughout the term of the course. If they so choose, they will be actively supported by City University London to turn their ideas into action.

How to enter

Proposals are invited with a maximum of 750 words. Essays can be supported by illustration, video submission, or a presentation. Video submissions must be no longer than three minutes. Presentations, e.g. PowerPoint, must be no longer than five slides.

Entrants must also include a CV and a statement of eligibility for enrolment on the course. For eligibility details go to the MICL course information page and scroll to the bottom for entry requirements.

Entries should be submitted by Friday 13 June 2014.

<http://www.city.ac.uk/centre-for-creativity-in-professional-practice/micl-scholarship-2014>

EXHIBITION

A fresh look at a familiar icon

A new exhibition at The Hunterian is set to challenge the customary view of Charles Rennie Mackintosh, offering a fresh look at this familiar icon.

Mackintosh is celebrated internationally as one of the most creative and individual artists and designers of the early 20th century but his core activity as an architect has been remarkably under-researched.

Mackintosh Architecture is the first major exhibition to be devoted to Mackintosh's architectural work, featuring over 80 architectural drawings from The Hunterian and collections across the UK. Many have never been exhibited before and are on display alongside specially commissioned film, models and rarely seen archival material.

Challenging the familiar view of Mackintosh as the isolated genius, the exhibition presents the wider context of the practice of Honeyman, Keppie and Mackintosh, introducing the contractors, suppliers and clients who supported the delivery of the buildings

and outlining the building process, from initial planning permissions to final inspections. The exhibition also has a particular focus on Mackintosh's designs for dwelling houses.

Mackintosh Architecture is the result of a landmark four-year research project led by The Hunterian which delivers the first comprehensive evaluation of Mackintosh's architectural career.

The project, Mackintosh Architecture: Context Making and Meaning, has also resulted in a major new online resource. The website launches on 18 July and provides a richly illustrated catalogue of Mackintosh's architectural projects and architectural drawings, over 3,000 images, 350 biographies, timeline, interactive map, glossary and bibliography. www.mackintosh-architecture.gla.ac.uk

Mackintosh Architecture opens at the Hunterian Art Gallery on 18 July and runs until 4 January 2015.

Visit www.architectsdatafile.co.uk and enter the reference 65217 for more information.



Charles Rennie Mackintosh, Daily Record building, Glasgow: perspective from the south-east, 1901 © The Hunterian, University of Glasgow 2014

BOOK

Luke Him Sau, Architect: China's Missing Modern

As one of the country's most distinguished yet overlooked designers, Edward Denison and Guang Yu Ren's new book *Luke Him Sau, Architect: China's Missing Modern* is a highly engaging and visual account of China's 20th century architecture.

Luke Him Sau/Lu Qianshou (1904–1991) is best known internationally and in China as the architect of the iconic Bank of China Headquarters in Shanghai. One of the first Chinese students to be trained at the Architectural Association in London in the late 1920s, Luke's successful career in China and Hong Kong offers unique insights into an extraordinary period of Chinese political turbulence that scuppered the professional prospects and historical

recognition of so many of his colleagues.

Global interest in China has risen exponentially in recent times, creating an appetite for the country's history and culture. This book charts Luke's life and work, which, owing to prevailing historical conditions, have been largely concealed.

As one of the country's most distinguished yet overlooked designers, *Luke Him Sau, Architect: China's Missing Modern* is a highly engaging and visual account of China's 20th century architecture. Featuring over 250 new colour photographs by Edward Denison, as well as original archive material, it will be of interest to architects, architectural students and those with a cultural interest in Hong Kong and China.

news bytes

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British artist Wolfgang Buttress to design UK Pavilion at Milan Expo...
Ref: 58620

Winner of the eighth RIBA Norman Foster Travelling Scholarship announced...
Ref: 40845

Behind the Grand Designs: who is self building in the UK?...
Ref: 11415

Atkins-designed Omani boutique hotel open for business...
Ref: 91544



“Being part of the design team of such an innovative project presented new challenges every day since the buildings and the structural itself needed to relate to an ever changing environment and new and unusual design inputs had to be thoroughly understood and incorporated in the overall picture”

Luca Buzzoni, project manager,
Arup Milan

Milan plants a new forest in the sky

Designed by Boeri Studio and developed by Hines, this vertical forest in the heart of one of the Europe’s most polluted cities will include two residential towers of 110m and 76m high. Altogether, 900 trees measuring between 3m and 6m have been planted, along with 5,000 shrubs and 11,000 floral plants on terraces up to the 27th floor.

The project is set to create a new standard for sustainable housing and was developed with the help of Arup’s structural and geotechnical designs, together with consultancy services on acoustics, vibrations, ground-borne noise and tunnelling. Arup also provided advanced design solutions related to the effects of two existing railway tunnels under the site that required a dedicated design of a base-isolation system for the main buildings.

As a new growth model for the regeneration of the urban



environment, the design creates a biological habitat in a total area of 40,000m². The designers aim to inspire greater urban biodiversity in the face of Milan’s challenge of increasing pollution.

Thanks to the huge amount of green area, the building not only optimizes, but also produces energy. Besides creating oxygen and humidity, the plants also absorb CO₂ and dust particles, which improve the environment. From compact two-room apartments to penthouses and duplexes, the main characteristics of the flats are the balconies, which extend 3.35 meters outwards to host the greenery. The design also includes photovoltaic energy systems to increase the degree of energetic self sufficiency of the two towers.

The Bosco Verticale building is part of the Porta Nuova Isola complex. This project involves the redevelopment of an area historically dedicated to light industrial and craft activities. Following the proposal to create Bosco Verticale at the site, 70 per cent of the area had been assigned as a public park. This new residential area includes five main buildings for public, residential and commercial use, and three underground parking levels.

Investors in the project include Coima XXI, Domo Media, Hines European Development Fund. The development will create a new environmental corridor and increase the amount of green space in the city.

Project completion and handover is scheduled by the end of 2014.

PLANNING APPROVAL

Ground-breaking £120 million Cambridge Forum medical and education centre given go-ahead

Planning has been granted by Cambridge City Council for The Forum, an innovative £120 million mixed-use medical and education facility on the Cambridge Biomedical Campus. The Forum, designed by architects NBBJ, is the product of a pioneering joint venture between John

Laing and Cambridge University Hospitals NHS Foundation Trust (CUHT). A study of traditional Cambridge architecture provided the elements and materials to develop a building distinct from the others on the Biomedical Campus. The lower public areas of The Forum are open in

appearance, while the private upper areas are more restrained. The result is a subtly modelled modernist facade wrapping around the building.

Visit www.architectsdatafile.co.uk and enter the reference 54190 for more information.

cpd focus

LRWA CPD SEMINAR



The Liquid Roofing and Waterproofing Association (LRWA) has announced the launch of its RIBA approved CPD, available online for specifiers, architects, and surveyors. "Continuing Professional Development is crucial for anyone working in the construction industry," commented Terry Wain, LRWA technical secretary. The CPD should take around 25 minutes to complete and includes information on the history of liquids and the various ways in which LRWA aims to promote best practice within the industry.

0207 448 3859
www.lrwa.org.uk

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KINGSPAN TAREC® CPD SEMINAR



A CIBSE approved CPD seminar has been introduced by Kingspan Tarec, examining how high performance insulated pipework systems can benefit the design, construction and maintenance of energy efficient buildings. It covers all aspects of compliance with the latest regulations and technical guidance including ADL 2013; and provides an overview of the Enhanced Capital Allowances and long-term cost savings which can be achieved by insulating pipework to higher specifications such as NES Y50 Enhanced.

01457 890400
www.kingspantarec.com

enq. 105

GLASS MOSAIC, ITS APPLICATIONS & INSTALLATION



Trend GB's latest seminar, entitled *Glass Mosaic, Its Applications & Installation*, is one of three CPDs developed by Trend and approved by RIBA, the Construction CPD Certification Service and The Society of British and International Design. Suitable for professional audiences, this engaging presentation is richly illustrated with archive and contemporary images. It should provide valuable food for thought and bring glass mosaic tiles still further up the design agenda.

01892 509680
www.trend-group.com

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news bytes

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New metal web RIBA CPD...
Ref: 34461

Fire design consultants and engineers unite to provide all inclusive CPD seminar...
Ref: 96350

Collecta Sound Proofing CPD gets RIBA approval...
Ref: 65640

Armstrong launches online ceilings CPD...
Ref: 75016

Specifying wood floor finishes - CPD Seminar from Bona...
Ref: 23901



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ISO 14001
Environmental Management
FM 36409

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AWARDS**British Homes Awards**

19 September, London
britishhomesawards.co.uk

CONFERENCES & SEMINARS**Sustainable Construction in Smart Cities**

5 June, London
www.rushlightevents.com

Playful Office Design Seminar

17 June, London
www.sbid.org/office_design_seminar

EXHIBITIONS**The Brits Who Built The Modern World**

Until 27 May, London
www.architecture.com/whatson

New British Works:

Today – Tomorrow
 Until 27 May, London
www.architecture.com/whatson

Point & Shoot:

Asymmetrical Aliens
 7 June, London
www.architecture.com/whatson

Empire Builders: 1750 - 1950

Until 15 June, London
www.architecture.com/whatson

John Pantlin: photographing the mid-century home

Until 29 June, London
www.architecture.com/whatson

New Designers Part 2

2 - 5 July, London
www.businessdesigncentre.co.uk/events

Designs of the Year

Until 25 August, London
designmuseum.org/exhibitions

Venice Architecture Biennale

7 June - 23 November, Venice
www.labiennale.org/en/architecture/

Mackintosh Architecture

18 July – 4 January 2015, Glasgow
www.gla.ac.uk/hunterian/

FESTIVALS**Clerkenwell Design Week**

20 - 22 May, London
clerkenwelldesignweek.com

SohoCreate

4 - 6 June, London
sohocreate.co.uk

London Festival of Architecture

1 - 30 June, London
www.londonfestivalofarchitecture.org

The International Festival for Business (IFB) 2014

June - July, Liverpool
www.ifb2014.com

London Design Festival

13 - 21 September, London
www.londondesignfestival.com

FILM**Architecture on Film: Post-producing Architecture – Torre David + Occupying Brazil**

10 July, London
www.architecturefoundation.org.uk

SHORT COURSES**Fine Concrete Finishes for Framed Concrete Buildings**

20 May, London
www.buildingcentre.co.uk/events

TALKS, LECTURES & DEBATES**The Towers Debate: does London need more tall buildings?**

2 June, London
<https://www.eventbrite.co.uk/e/the-towers-debate-does-london-need-more-tall-buildings-tickets-6800212619>

Dream Builders

Moshe Safdie, 5 June
 Francine Houben, 17 June
 David Adjaye, 8 July
 London
www.architecture.com/whatson

TOURS**Open House London**

20 - 21 September, London
www.londonopenhouse.org

Eco Open Houses

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26 - 27 June, Brighton
www.ecotechnologyshow.co.uk

100% Design

17 - 20 September, London
www.100percentdesign.co.uk

PROJECT

Designs revealed for Hebburn Community Hub



Designs have been revealed for the ambitious £12 million regeneration of Hebburn town centre and the creation of a state-of-the-art community hub.

In collaboration with South Tyneside Council, architects FaulknerBrowns have been commissioned to redefine the town centre of Hebburn, drawing on the industrial heritage of the area as well as catering for the social, educational and sporting needs of the local community.

The transformation consists of a 25-metre, 6-lane community pool, a

dry sports facility, fitness suite and multi-purpose dance suites. Also included is a new 450sq m library, a GP consultation suite, physiotherapy treatment rooms, along with a café area and retail space.

Proposals for external sports facilities and gardens are also being considered to help bring previously disconnected community facilities together in one place.

Construction of the hub started in November 2013 and the building will be complete by summer 2015.

CONFERENCE

Atkins' CEO Uwe Krueger: This is the decade of the railway worldwide

Atkins' chief executive officer, Prof Dr Uwe Krueger, delivered the keynote speech at annual rail conference Den Danske Bane in Denmark recently, where he explained how continued development of the world's railways is vital for our future.

In his presentation 'Railway development worldwide', Uwe described how the global population is expected to reach nine billion by 2050 and by then 75 per cent of people will live in cities, so rail infrastructure must act as the "interconnectors" of cities in the future, supporting further urbanisation, enabling economic progress and the growth and development of society at large.

Uwe said: "Urbanisation requires evolutionary change as we seek to adapt the vast majority of our existing assets as well as creating new infrastructure that must cope with challenges we cannot yet fully predict. This is, I believe, the first driver for railway today.

"The railway's potential today is in the creation of not only national but international main routes. The development of these routes will bind together societies and economies and support continued growth."

Uwe detailed in his speech how designing transport infrastructure capable of meeting the growing urbanisation demand will require overcoming several challenges, including attracting the best engineers against a backdrop of a global shortage of skilled workers and developing new cutting edge technology to meet cost reductions.

Global rail development will also require innovative thinking, with a focus on adaptable and smart solutions which prioritise low carbon design and energy efficiency, while

still meeting the highest standards of quality and safety. Collaboration and partnerships between academia and business will be fundamental in achieving this, as modern railways are so complex that a broad spread of expertise will be required.

Uwe gave several examples of how Atkins is already working closely with various institutions, including:

- Atkins' partnership with Heriot-Watt University to establish a High Speed Rail Centre of Excellence in the UK
- Atkins' economic and lecturing support of the rail education programme at the Danish Technical University through the Danish Rail Association
- Atkins' work with several rail related schools in Sweden, ranging from the technical institutes, through to smaller regional centres of higher education and the National Rail School, to help develop their educational programmes.

Uwe concluded: "Our work today on planning and designing rail networks will be judged by future generations – improving connectivity is vital to the future-proofing of society and managing urbanisation.

"We must ensure that as engineers we are sitting next to the politicians, the economists, the scientists, informing robust decision making and helping to put everything in context to help deliver transformational railways that people want to use."

A round-up of Uwe's speech is available on Atkins' thought leadership app, Angles, at angles.atkinsglobal.com/1923-building-future-rail

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

Speculative office building nears completion in time to take advantage of improved Leeds market...

Ref: 95928

College Court renovation nets architectural award...

Ref: 66684

Re.presence: How to See Architecture at Sto Werkstatt...

Ref: 68487

New partners, associate partners and associates at schmidt hammer lassen architects...

Ref: 70029

Innovation and excellence recognised at the Tile Association Awards

The TTA Awards, recently held in London for the first time, have recognised the brightest and best individuals from the industry, the most innovative new products and the sector's best and most interesting projects.

Many of the leading companies in the industry attended – manufacturers, contractors, distributors – attracted by the 'London Calling!' theme. Organised by The Tile Association, the event had a fresh new feel for 2014 and is now definitely the must-attend event of the year for the tiling industry. Hosted by Emma Jesson from ITV, the day also raised over £3,000 for the association's nominated charity of the year – The Children Today Charitable Trust.

For the TTA, the 2014 awards mark the beginning of a new chapter in the



TTA Awards 2014 Winners

association's growth. TTA Chairman, Ian Kershaw, says: "Firstly, I'd like to congratulate all those who were finalists in our awards this year. You are all winners and your achievement makes our industry proud. In particular, of course, very well done to those individuals and those companies who came away with the gold rosettes in the various categories.

"I look forward to welcoming everybody again in a year's time, when we will

be looking back on what promises to be a very busy year for the TTA, with new branding, new website and a host of other initiatives which will enable us to represent our members' interests even better. I was particularly happy this year that we were able to raise such a good sum for The Children Today Charitable Trust, showing once again what a warm hearted industry we are."

Contact The Tile Association on **0300 365 8453**, email info@tile.org.uk or visit www.tiles.org.uk

enq.109



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PROJECT

Jockey Club Innovation Tower



Zaha Hadid Architects' Jockey Club Innovation Tower (JCIT) is home to the Hong Kong Polytechnic University (PolyU) School of Design and the Jockey Club Design Institute for Social Innovation.

The 15-storey, 15,000 sq m tower accommodates more than 1,800 students and staff, with facilities for design education and innovation that include design studios, labs and workshops, exhibition areas, multi-functional classrooms, lecture theatre and communal lounge.

The Hong Kong Polytechnic University campus has developed its urban fabric over the last 50 years with the university's many faculties housed in visually coherent, yet very different buildings. The JCIT creates a new urban space that enriches the diversity of university life and expresses the dynamism of an institution looking to the future.

Located on a narrow, irregular site at the northeastern tip of the university campus (bordered by the university's football ground to the south, and the Chatham Road/Kowloon Corridor motorway interchange to the north), the JCIT is connected to the heart of the campus; encouraging the university's various faculties and schools to develop multidisciplinary initiatives and engagement with the community, government, industry, NGO's and academia.

The JCIT design dissolves the typical typology of the tower/podium into a more fluid composition. Interior and exterior courtyards create informal spaces to meet and interact, complementing the large exhibition forums, studios, theatre and recreational facilities.

The tower's design promotes a multidisciplinary environment by connecting the variety of programs within the School of Design; establishing a collective research culture where many contributions and innovations can feed off each other.

Students, staff and visitors move through 15 levels of studios, workshops, labs, exhibition and event areas within the school. Interior glazing and voids bring transparency and connectivity, while circulation routes and communal spaces have been arranged to encourage interaction between the many learning clusters and design disciplines.

Architect:

Zaha Hadid Architects

Design: Zaha Hadid,
Patrik Schumacher**Project director:**

Woody K.T. Yao

Project leader:

Simon K.M. Yu

Project team:

Hinki Kong, Jinqi Huang,

Bianca Cheung, Charles

Kwan, Juan Liu, Junkai Jian,

Zhenjiang Guo, Uli Blum,

Long Jiang, Yang Jingwen,

Bessie Tam, Koren Sin, Xu

Hui, Tian Zhong

Competition team:

Hinki Kwong, Melodie Leung,

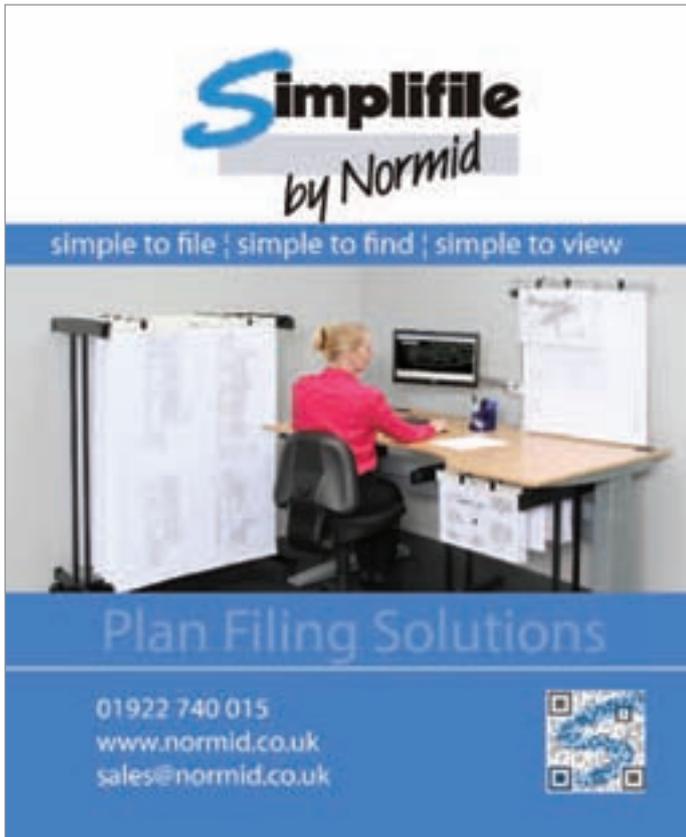
Long Jiang, Zhenjiang Guo,

Yang Jingwen, Miron

Mutyaba, Pavlos Xanthopoulos,

Margarita Yordanova Valova

Courtesy of Iwan Baan



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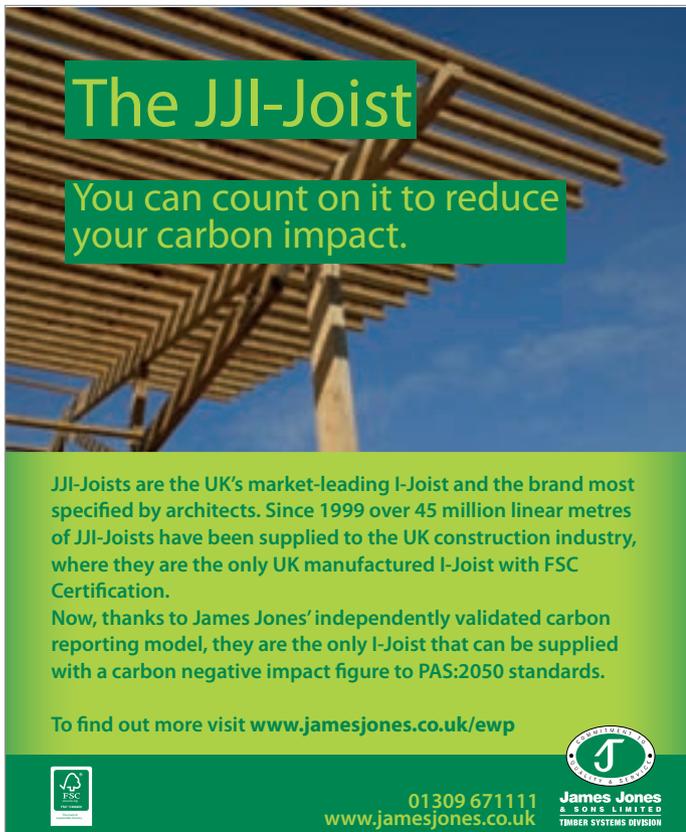
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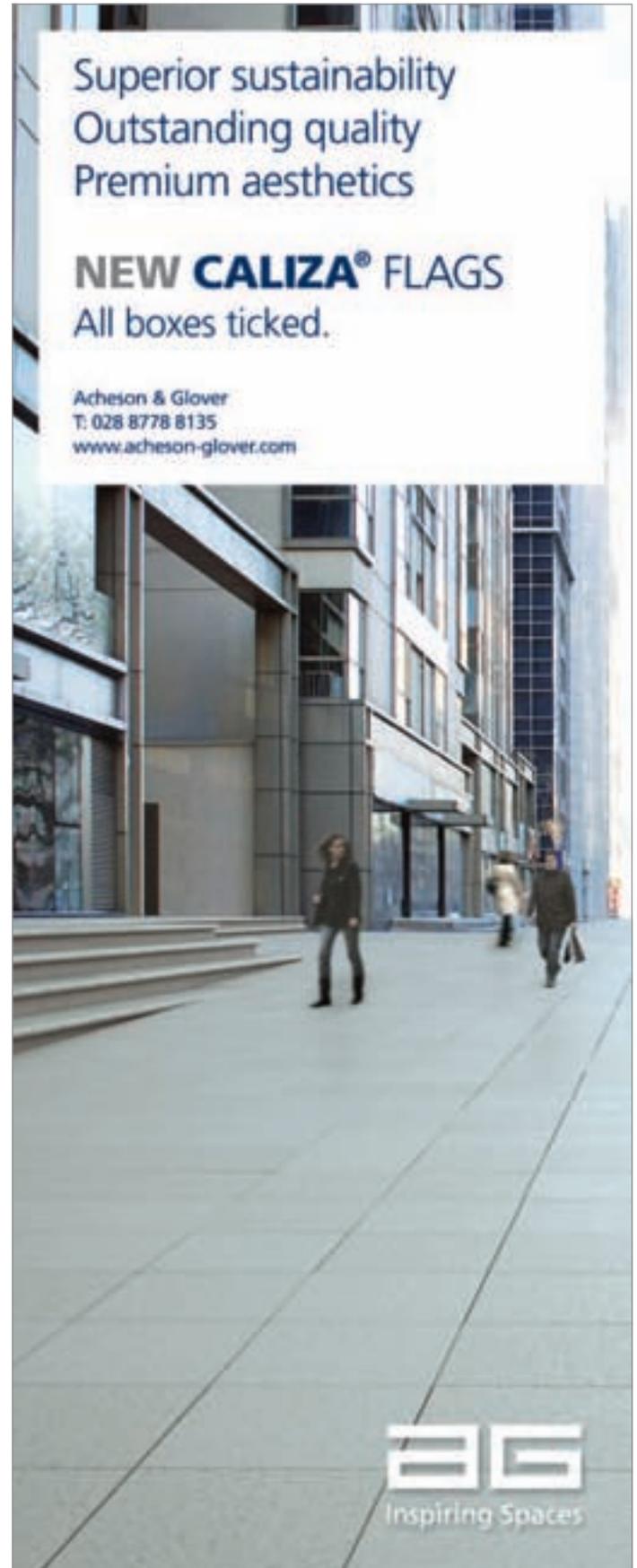


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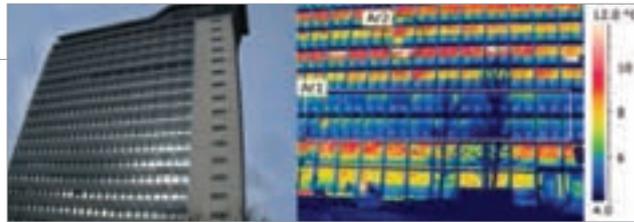
enq.113

editor's focus

Selectaglaze

Forming part of Brentford's "Golden Mile" business area is Great West House, an L-plan design of iconic 1960's office towers. An extensive programme of refurbishment and upgrade has ensured that the buildings provide contemporary accommodation but the original metal windows fell below required standards of thermal insulation. The chosen solution was Selectaglaze's bespoke secondary glazing with high performance seals, reducing heat loss by more than 50 per cent and minimising air leakage. The secondary windows are fully fabricated off-site, allowing rapid installation and minimal disruption to the day to day business of the building.

enq. 114



Taplanes Ltd

Taplanes Ltd provides prefabricated solutions to a variety of end users throughout the UK and Ireland. Taplanes preformed shower enclosures overcome the inherent problems associated with conventional bathroom areas. Durability and speed of installation, together with a guaranteed 'leak proof' construction, ensures Taplanes is the preferred choice within the accommodation sector. All Taplanes products are fully recyclable and come with a 25 year guarantee as standard.

enq. 115



Dani Alu

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enq. 116



Horne Engineering

Dundee City Council is so pleased with the recent shower and changing room refurbishment at its Ardler Complex that the new design is now becoming the blue-print for similar planned refurbishments across the city. The Dušo sport shower column, designed and manufactured by Horne Engineering, played the leading role in the refurbishment and has been described as "brilliant" by Ardler's Centre Manager, Scott Rodgers. Full details of the refurbishment and further information on the Dušo sport column are available at Horne's website.

enq. 117

Follansbee

Development work to replace former 'split' site buildings at St. John's School in Marlborough saw Follansbee Klassickolor material cladding used. It contrasts with adjoining façades to create an exciting pallet of surface finishes. The coating is formulated with a 'cool roof' concept and uses pigments with enhanced solar reflectance and emittance, to reduce the energy needed to cool the building. A new roof at the school followed the curvature of the site.

enq. 118

Continued on page 20...

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enq. 120



enq. 121

Howarth Windows

Designed and manufactured by Howarth specifically for the UK market, the new upgraded, slim profile, ultra low u-value Storvik double and triple glazed range was developed after extensive research into the latest in timber, glazing and weather seal technology to produce a window design that has driven performance beyond current standards. You can download the latest brochure on the website.

Osmose

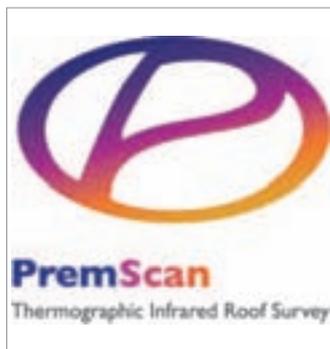
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enq. 122

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enq. 123



Hambleside Danelaw

B&Q's new superstore in Burgess Hill features Contour insulated rooflights from Hambleside Danelaw. As with all B&Q new build projects, rooflights manufactured in the UK by Hambleside Danelaw were specified because they maximise the use of natural daylight and reduce the carbon footprint. 700m of rooflights were required as part of a CA Twin Therm system. The 2.44kg/m² liner panel has a fire rating of SAA1 and the 10mm polycarbonate insulation layer encapsulated within the assembly lowers the U value to 1.3W/m²k indicating high levels of insulation. B&Q's energy costs are reduced by this specification.

enq. 124

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Global Connections success for Lorient



The 45 Regional Finalists in HSBC's Global Connections 2014 competition have now been announced. These are the businesses across the UK which, in the view of the judges, show the innovation, distinctiveness and strategic thinking that will make them future global players. **Lorient Polyproducts** is very proud to announce it has been selected as a Regional Finalist for the South West and Wales. Having previously been an Area Winner, this is a significant achievement as the field narrows to only the best in the UK. Maria Simmonds says of the recognition: "Recognition by the HSBC Global Connections judging panel is a great endorsement of our continuing hard work and global strategic plans. We're rightly very proud of this achievement!"

enq.126

QPSL launch new website



QPSL, a leader in the building products market with the brands Quantum Flooring, Dacatie and Qwood, has launched a new easy to use website (www.quantum-ps.co.uk). The website is mobile ready for contractors and specifiers to use out and about. The site also contains all the

product information you could ever want from specification documentation to cleaning guides. Available now, the website offers an intuitive tool for those involved within the built environment. It allows the user to quickly identify the correct QPSL product for the job, locate their local Qwood, Quantum Flooring or Dacatie stockist and also quickly request free samples.

0161 627 4222 www.quantum-ps.co.uk

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Helifix moves to landmark London office



Helical fixing manufacturer and masonry repair specialist **Helifix** is proud to announce that with effect from Monday 28th April 2014 it relocated to an impressive new office facility in London. The Helifix team is now located at The Mille, 1000 Great West Road, London TW8 9DW, just a few miles from its former premises in Acton. The new

premises are more accessible to visitors and staff, offering easy access from the M4/A4 interchange, Boston Manor tube station, Brentford Rail Station and Heathrow Airport. Orders for Helifix products will continue to be fulfilled from its UK manufacturing facilities in Deeside, North Wales.

020 8735 5200 www.helifix.co.uk

enq.130

Talis UK announces new growth plans



Talis UK, the valve, meterbox and water fitting specialist, has announced ambitious new plans to see it become the leading supplier in the industry. With new investment, a new management team and new offices, Talis is predicting a year of substantial growth. Following several years of consolidation, it

is announcing a new growth drive under the leadership of new managing director, Mark Hodgins. The company is forecasting a £30 million turnover this year – a 30 per cent increase on the £23 million turnover achieved in 2013. As a result of the recent growth plans, Talis UK has appointed 45 new fulltime employees. The company has also recently secured significant contracts in Ireland.

01675 437900 www.talis-uk.com

enq.131

EnviroVent scoops industry 'Oscar'



EnviroVent's Filterless Infinity Fan has been named Domestic Heating and Ventilation Product of the Year at the H&V News Awards, held at the Grosvenor House Hotel in London on 24 April. The company successfully fought off tough competition to win the prestigious award for its innovative British made product. Ideal for bathrooms,

kitchens, en-suites and WC's, the Filterless Infinity Extract Fan offers the ultimate in product confidence with its seven year maintenance-free warranty. The fan, which incorporates EnviroVent's patented Cyclone Separation Technology, extracts stale, moist air without the need for filters which can become clogged.

01423 810180 www.envirovent.com

enq.127

Willmott Dixon acclaim for Mitsubishi Electric



Mitsubishi Electric has been awarded a prestigious Willmott Dixon Construction Supplier Award in recognition of the manufacturer's role in supporting the drive to increase efficiencies and quality on site, while reducing overall costs. Willmott Dixon Construction is constantly seeking ways to improve

quality and reduce cost in the construction industry. The company issues awards at an annual Supply Chain Conference for subcontractors, indirect suppliers and manufacturers. Mitsubishi Electric has worked with the Group for several years and Keith Treharne was full of praise for the company's Richard Warry, who he describes as being: "exceptionally keen and persistent."

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Art meets architecture in Mayfair

Ray Philpott looks at the unique commercial development that's a perfect fit for London's Savile Row, famed for its bespoke tailoring

Modern office and retail buildings frequently incorporate showpiece works of public art somewhere on the premises to endow them with an elevated aesthetic appeal.

However, structures where the art is an all-encompassing and intrinsic aspect of the design are far less common.

One such rarity is the new, seven-storey office and retail development soon to grace Savile Row, a street renowned for bespoke tailoring in London's swanky Mayfair.

Designed by London-based EPR Architects, it's literally clad in art – in the form of 10,000 hand-glazed, hand-fired tiles created by internationally renowned ceramic artist Kate Malone. What's more, each and every one of those tiles is genuinely unique!

To complete the picture, the building sits on a plinth decorated with decorative sand-cast bronze plates by the same artist that echo the tile glazing designs.

'It's literally clad in art – in the form of 10,000 hand-glazed, hand-fired tiles created by internationally renowned ceramic artist Kate Malone'

EPR believes this unusually intensive collaboration between artist and architects make it almost certainly the only office building of its kind in the UK.

Associate Stephen Pey, lead architect for the project, said: "The word bespoke was invented in Savile Row, where suits were 'to be spoken for' by a specific client. So, we knew we had to create a bespoke building, featuring material and design of

Continued overleaf...



The high-quality finish of the building reflects the area's great artisan heritage



'The tiles reflect and refract daylight in interesting ways, capturing differing moods'

Stephen Pey, associate and lead architect for the project, EPR Architects

the sort of quality to match and echo that tradition. We wanted to offer something really distinctive to our clients, to Mayfair and the capital. Like a Savile Row suit, we knew the building had to be cut from the finest materials.

"The amazing crystalline finishes of the tile glaze are effectively three-dimensional. They come in four glazes of differing textures, three white and a black tile with blue crystals. The tiles reflect and refract daylight in interesting ways, capturing differing moods to give the building a subtly changing appearance and tone, depending on the weather and time of day.

"There may be a few other buildings with ceramic cladding in London, but there is no other building with fascia of

top-quality, artisan-created tiling like this."

The visual impact of the exterior is complemented by impressive sustainability features that have earned the building a BREEAM Excellent rating. In fact, it's one of the first buildings in London to be entirely LED-lit. It boasts living 'green' grass and vegetation roof areas complete with terraces, more than 1,000 sq ft of photovoltaic panelling and a highly efficient Daikin VRV cooling system.

Commenting on the use of cutting-edge lighting, Pey says: "While LED is much more affordable to install these days, you still need an enlightened client that's willing to move forward with it."

A terraced building effect is achieved in Conduit Street (far left) while Savile Row (below and bottom) features both projecting glazing and flush-fit windows

The clients, Aerium and the Terrace Hill Group, acquired the site speculatively to develop it commercially. They launched a project design competition in 2011, which EPR won, earning itself the commission for the multi-million pound office and retail outlet project.

The site of Savile Row was originally home to a postwar concrete and brick building and a 1980s replica period building on the corner plot where Conduit Street and Savile Row meet. To Pey and project team members, Associate Director Zlatko Slijepcevic and Architectural Assistant Emma Croyle, neither was of architectural merit. Demolition and rebuild was the obvious way forward.

Slijepcevic explains: “The way the two streets – originally unconnected – were joined together historically left us with a floor plan that was partly single plot-width and partly one-and-a-half plot-width. That had an important influence on our design.”

The team wanted their design to be sympathetic to the streetscape and preserve the historic plot widths. For example, the Conduit Street elevation has been carefully designed to look like two buildings, to retain the original terraced house look.

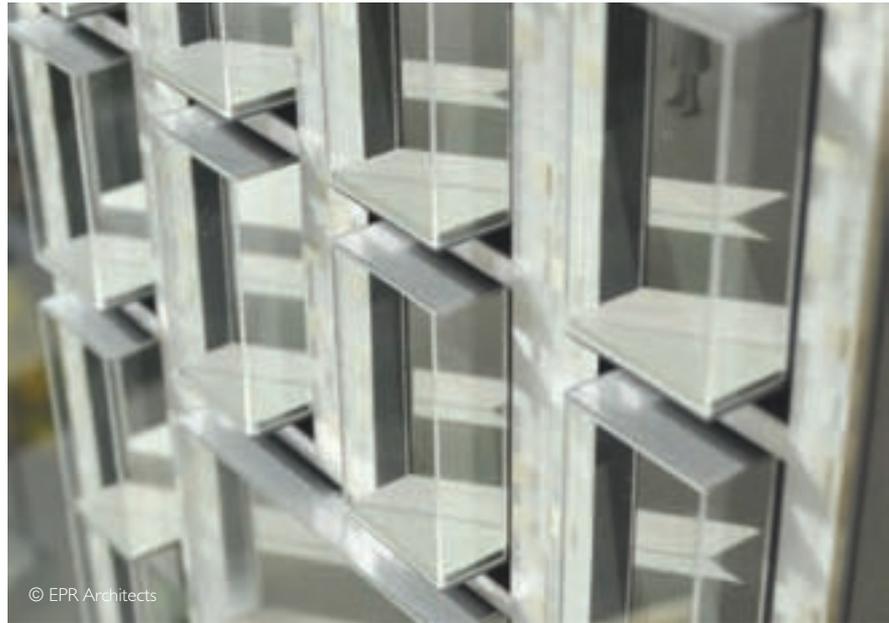
He adds: “The site’s location in the Mayfair conservation area demands a superb quality of finish and design, reflecting Savile Row’s heritage. We worked hard to maximise floor space and keep within the cost boundaries to make the design as commercially viable as possible for our clients, without compromising on quality or being intrusive on the surroundings.

“Consequently, we carefully considered massing and bulk. To reduce massing, we’ve used three segmented styles of frameless windows in different sizes: projecting, flush-fit and, in Conduit Street, recessed to reflect the historic detail. They have varying levels of very efficient UV coating but the light that falls there is largely ambient, so we’ve avoided the greentinted look.”

The 42,000 sq ft block contains 8,000 sq ft of retail space in the basement, ground and first floors, while the remainder of the building features high-quality office accommodation. The uppermost storey is deliberately set back so it is not too imposing and softens the massing. It’s also zinc-clad because it uses a different glazing system with larger panels and ceiling panels that allow in more light, making this level the project’s premium office space.

Fundamentally, the structure consists of a clad steel frame with a single concrete, firefighting core. “We worked hard to achieve a single staircase in the core as this maximises the buildings commercial potential,” says Slijepcevic.

Continued overleaf...



**BUILDING
PROJECTS**

‘The amazing crystalline finishes of the tile glaze are effectively three-dimensional’

Stephen Pey

Naturally though, it is the artisan tile cladding that will inevitably grab the attention of those who see this building. As Stephen Pey puts it: “This is the crux and beauty of the project, because it’s all about the arts and crafts aspect of the design.”

Essentially, the manufacturing process involves taking a strong, well-proven 30cm by 30cm extruded tile design from Europe and then applying the unique glazes meticulously produced by hand by Kate Malone and her studio team at her Islington studios. The tiles are hand glazed and fired at a specialist artisan tile-making factory in Surrey that can handle the scale of production. They are then quality-assessed and sorted and shipped to site.

“These tiles not only look fantastic, they’ve undergone every possible EU test including weathering, UV exposure, frost, acid rain, bond adhesion and checking the basic strength of the underlying tile. We’ve adapted the design to any resulting changes required,” says Pey.

EPR developed a great working relationship with Malone when they worked with her on their recently completed One



John Street, American Express’s purpose-built new development in Brighton (above). On the building’s exterior are some 15,000 of her handmade, hand-fired ceramics – a highlight feature designed as a story-telling tool for the community.



“Architects and artists actually come from quite different disciplines,” says Pey. “So the success of your product depends on the strength of your dialogue with each other. We knew how good Kate is and how she works, so, we brought her in on the Savile Row project and 18 months and 1,000 sample tests later we finally got the product right.

“It’s been a true collaboration between architecture, art and artisan manufacturing – and the relationship between us has been exceptional. It’s been a labour of love.”

The artist agrees. “It is the most intensive, complex and challenging project I have ever done. This has been a very technical project. I’m creative and normally creativity comes first, but when you are working on a project like this getting the technical part right is critical.

“We have had to overcome many challenges and for me particularly it’s been the challenge of getting the glaze right. Normally I glaze tiles that I have completely made myself but in this case I was using somebody else’s product.

Malone adds: “I have been developing high-fired crystal glazes for nearly 30 years. The last three years with EPR has

been the most intense period of all. The Savile Row project has increased my technical knowledge tenfold. My glaze research archive is now organised into a serious tool that will feed both my art and architectural work. The field of architectural studio-produced ceramics has forged forward thanks to this project and it’s been a pleasure to be involved.”

The formulation of the hand-mixed glaze and the sensitive process it undergoes is core to the unique finish of the product and is a closely guarded secret. Essentially, it involves heating the glaze-covered tiles to exceptionally high temperatures (for ceramics) in excess of 1,200°C, so the glaze becomes very fluid.

“Then they are cooled in a carefully controlled way so that crystals form and grow – effectively simulating volcanic activity. The resulting ‘incubated’ crystalline surface means every tile really is individual,” explains Malone.

“I really credit EPR for having the confidence to involve me. I would like to see architects using the brilliant crafts talent we have in this country a lot more – it would definitely benefit the built environment and the communities that occupy it.”

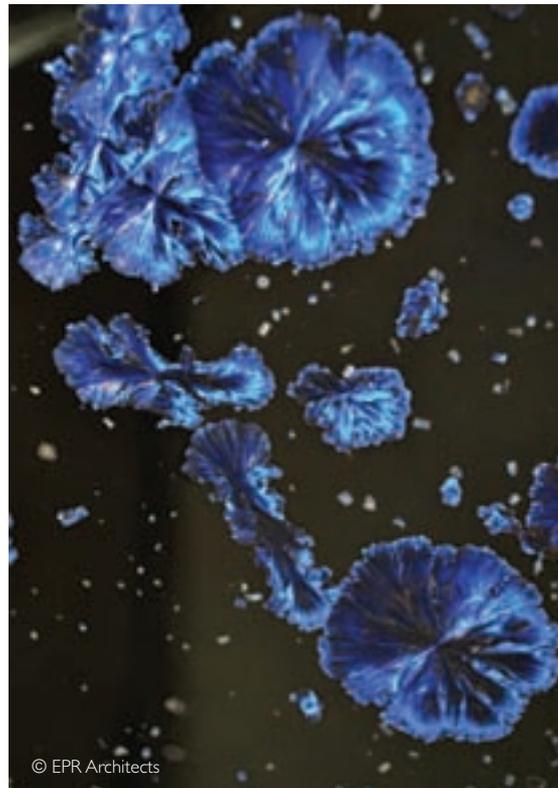
Continued overleaf...

‘It’s been a true collaboration between architecture, art and artisan manufacturing – and the relationship between us has been exceptional. It’s been a labour of love’

Stephen Pey



© EPR Architects



© EPR Architects

Kate Malone's fascia tile designs feature four different glazes (left) creating a unique crystalline pattern on each individual tile. EPR has also worked with the artist on its One St John Street design in Brighton (top left)

'I would like to see architects using the brilliant crafts talent we have in this country a lot more – it would definitely benefit the built environment and the communities that occupy it'

Kate Malone, artist

The building as seen from New Burlington Place



© EPR Architects

Architects:

EPR Architects

Ceramic and artwork design: Kate Malone

Main contractor: McLaren Construction

Structural engineer: Capita Property and Infrastructure

Planning consultant: Rolfe Judd (Planning)

Every tile is hand checked before being delivered to site for fitting by the main contractor McLaren Construction. The contractors, EPR and Kate Malone meet once a month to discuss progress and ensure quality control is strictly maintained during construction.

Pey says: "The building is framed with a Kingspan-insulated Metsec rainscreen system onto which the tiles are gravity hung on rails. This system helps the contractor and the construction process. They can get the building water tight using the rainscreen system and then get on with interior work, and simply hang the tiles as they arrive in batches."

With planning consent gained in March 2012, construction work began in March last year and Savile Row is expected to be open for business in the last quarter of this year.

The project team is currently waiting for Westminster City Council to grant planning consent to the impressive bronze designs Malone has created for the plinth.

"These wonderful bonzes are our 'official' work of public art," adds Pey. "I think most people will appreciate how amazing they are, but I'm also confident they will embrace the whole building as a great example of art and architecture working in harmony."

SE Controls provides a breath of fresh air for Jubilee House



For more information contact SE Controls today on 01543 443060, email info@secontrols.com or visit www.secontrols.com

Indoor air quality at a new £3 million energy efficient office development for the Diocese of Southwell & Nottingham, is being monitored and controlled by an advanced NVLogiQ natural ventilation system from international smoke and natural ventilation specialist, SE Controls.

The new 1,290m² Jubilee House building was designed by Nottingham based Maber Associates and provides the diocese with a mission centre, conference facilities and a new administration centre for approximately 50 staff who were previously located in the adjacent Grade II listed Dunham House.

The BREEAM Excellent rated building incorporates a number of energy saving features including high levels of insulation and natural daylight alongside low energy light fittings and SE Controls' efficient natural ventilation system, which monitors, manages and controls carbon

dioxide (CO₂) levels and temperature to maintain a comfortable indoor environment.

The adaptive natural ventilation solution developed, installed and commissioned by SE Controls uses 26 of its innovative NVLogiQ controllers, which constantly monitor the air quality in 24 separate zones. This provides a highly versatile system that not only allows the indoor air quality and ventilation to be managed locally in each zone, but every NVLogiQ unit is also linked together as a networked building solution.

Depending on the level of CO₂ present in each zone, alongside information about temperature and humidity, each NVLogiQ controller signals a series of dedicated NVLogiQ PSU (power supply units) to automatically open windows and roof light vents, allowing stale hot air to be replaced with cooler fresh air using the thermal stacking effect.

enq.135

Array receives 'A' rating from BRE



Heckmondwike FB is celebrating the news that the BRE (Building Research Establishment) has awarded an 'A' rating to its Array fibre bonded carpet tile, which will be included in the BRE's Green Book Live. An 'A' rating is highly desirable as it puts the material at the top of the list for interior designers on commercial projects

looking for sustainability credentials. Marketing Manager Abby Chandler said: "We are delighted that our Array range has received this high accolade for sustainability from the BRE. Our Array range, especially with our recent addition of six exciting new colours, is perfect for office environments and this latest news is set to reinforce its popularity even further."

enq.136

Refurbishment benefits from AET Flexible Space



AET Flexible Space has recently supplied its under floor air conditioning system to another height restricted London refurbishment at 20 Cannon Street, near St Paul's Cathedral. With very limited structural height space, the building was not suitable for a traditional ceiling-based air-conditioning solution. AET's Flexible

Space system was specified by project consultants Mott Macdonald as an alternative as it is ideal for this type of refurbishment project. By eliminating ceiling based services, it enables older buildings to be equipped with high specification air-conditioning while maximising the available floor to ceiling height.

01342 310400 www.flexiblespace.com

enq.137

JS Air Curtains for BT Newgate



JS Air Curtains has supplied two Zen air curtains and a Rotowind revolving door air curtain for use at BT's global headquarters at Newgate Street, London. The air curtain system was design by entrance specialists, Blue Chyp, who developed a custom solution to meet BT's aesthetic and functional objectives. JS Air Curtains supplied two

1m electrically heated Zen air curtains for use above the pass doors. The Zen is part of JS Air Curtains' Designer Range and has a contemporary architectural style. It can be fitted with bespoke fascia panels of different materials and any RAL colour, and also carry signage, branding or even elements such as clocks. It is available in 0.5m lengths from 1 to 2.5m.

enq.138

Maxwood's washrooms specified in London



'Wow factor' washrooms from Maxwood are part of the stunning specification of 10 Hammersmith Grove (South Building), one of London's latest commercial developments, built by Wates Construction. The bespoke washrooms, manufactured and installed by Maxwood, feature clean lines and clever use of glass and mirror

panels to reflect the new building's cool, contemporary styling. Installed on each of the eight upper floors, the washrooms feature full height, flush fronted cubicles, vanity units and matching accessories. Maxwood also supplied ground floor shower and changing facilities.

enq.139

Saracen provides new interiors for Servomex



Saracen Interiors has completed a £100,000 office fit out contract for Servomex. The project, carried out at the leading international gas analysis expert's UK headquarters in Crowborough, East Sussex, was undertaken as a fast-track job, with all works completed within four weeks. Working flexibly and with minimum disruption to Servomex's office

staff, the office interiors specialist has presented its client with a creative new break out environment. Works included the refurbishment of the canteen area and the provision of a large moveable wall to divide the office and canteen spaces. Saracen also provided new carpet with logo inserted and cutting edge, modern furniture, chosen to complement Servomex's corporate colours.

enq.140

Sustainable flooring from Nora



Over nine years ago, Nora flooring was installed at Evelina Childrens Hospital. Nora's attractive bespoke design themes and intricate symbols flow throughout the hospital, providing wayfinding and, most importantly durable, hygienic and cleanable properties that are inherent within the nora healthcare flooring

system. Nora have recently been in touch with the hospital and been advised of the excellent results that have been achieved using the Nora cleaning pad system which is solution free and uses just water. Amanda Carlin, head of maintenance at the hospital, stated: "Maintaining the floors using the nora pad system is quicker, more hygienic and, even after all these years, the floor looks like new."

01788 513 160 www.nora.com/uk

enq.142

wedi Solso takes care of PVC on shower floors



wedi has launched a floor-level shower system developed especially for PVC coverings. wedi Solso is the unrivalled shower floor system for wet areas in hospitals and private and public care home facilities. The wedi Solso comes as a fully integrated sealed drainage unit, which allows the PVC surface to be easily connected directly to the drainage system and is 100 per cent water-proof. This means that there is no chance of any water flowing backwards and seeping under the PVC. As a result of its incredibly strong stability and ability to bear heavy loads, it is suitable for very high pressure point loads. With 2.5 N/mm², this system enables trouble-free use for wheelchairs and zimmer frames etc.

0161 864 2336 www.wedi.co.uk

enq.141

Healthy results for Southmead



Southmead Hospital in Bristol has demonstrated its energy efficiency credentials, through a programme of air tightness testing conducted by BM TRADA. The £425 million project, which opens in May, was shown to achieve air permeability ratings well under the minimum level of 10m³/h/m² required by Part L1A of the

Building Regulations. BM TRADA worked closely with the design and site management teams, as well as building control, to schedule the tests, which involved setting up fans in multiple locations to pressurise the building and taking numerous readings of pressure difference and fan flow rates.

01494 569 800 www.bmtrada.com/testing

enq.143

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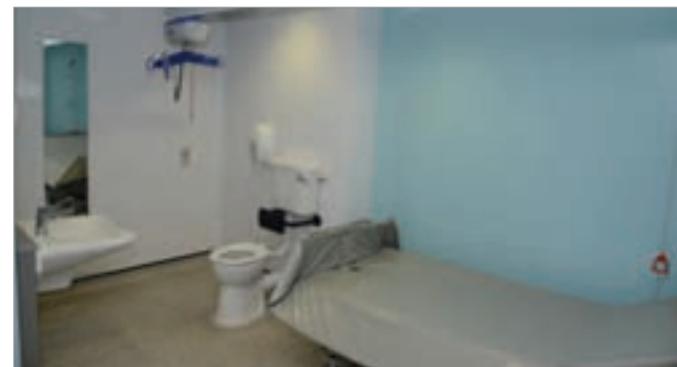
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enq.144



Changing Places in the healthcare industry

Hospitals are failing to provide proper facilities for thousands of out-patients and visitors, yet that could be transformed simply by installing appropriate toilets. One in 284 people in the UK need a Changing Places toilet, yet of the UK's 2,300 hospitals, only eight have the 'bigger and better' accessible (disabled) facility. To help estates and facilities managers easily understand the need, the requirement and the criteria, Clos-o-Mat has published a white paper: *Provision of Changing Places Accessible Toilets in the Healthcare/Hospitals Industry*. Available for download from the company's website, the white paper covers the rationale behind a Changing Places toilet, quantifies the need to provide such a facility in healthcare establishments, and covers legislative and 'good practice' guidelines. Unlike a conventional accessible (Document M type) toilet, a Changing Places toilet is a minimum 12m², and has additional equipment of a height adjustable, adult-sized changing bench, hoist and privacy screen.

0161 969 1199 www.clos-o-mat.com

enq.145



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Village concept at heart of cancer centre

Jess Unwin reports on the new £160 million state-of-the-art facility emerging at St Guy's Hospital in London

A place less like a hospital and on a human scale – but a place that still reassures patients they'll get the treatment they need and which, because of a lack of space, is 14 storeys high. That is the balance to be struck and the challenge of the new cancer centre at Guy's Hospital, London.

Building is now well under way on Guy's and St Thomas' NHS Foundation Trust's £160 million state-of-the-art cancer centre for adults on a triangular site on the corner of Great Maze Pond and Snowsfield. The centre will be a health hub for south-east London, hosting specialist cancer services, training, development and research. It's expected the building will provide for 700 outpatients at peak times.

One of the big drivers for the development is to bring cancer services together on one spot instead of patients having to find their way to several different locations within Guy's and St Thomas' hospitals for diagnosis and ongoing cancer treatment.

Continued overleaf...

'One of the big drivers for the development is to bring cancer services together on one spot'

**BUILDING
PROJECTS**

‘They were looking for new and radical thinking on how you might make a cancer treatment centre – how you might make that place less like a hospital and more personal for people’

Ivan Harbour



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Since 2011, a project team that has included patients as well as staff have been working with main contractor Laing O'Rourke, plus two firms of architects – Rogers Stirk Harbour and Partners (RSH), and Stantec Anshen and Allen – to create the design details for the new cancer centre. Contribution at all stages from people like Diana Crawshaw, chair of the patient reference group, and herself a breast cancer survivor, is helping to make sure the building works for both patients and staff. Further feedback was gathered from public exhibitions and community meetings and has been instrumental in the design developments – from treatment facilities to public spaces.

Ivan Harbour, RSH's partner in charge of project for the centre, reveals: "The brief from the trust was that they were looking for new and radical thinking on how you might make a cancer treatment centre – how you might make that place less like a hospital and more personal for people."

Although one goal was to create a landmark building to mark the southern entrance to Guy's Hospital, the heart of the

design concept for the centre is based around the idea of breaking the building down into 'villages' and zones to humanise the scale of the building.

Ivan remembers: "Early on we had a meeting at the top of Guy's Tower [another part of the hospital which at 37 floors is Europe's tallest hospital building] and I was standing at the bottom outside the lift. There was a whole host of signage and I was thinking, my goodness, what on earth do you do here if you're a patient – how do you find your way around this place?"

He continues: "Like a lot of hospitals, cancer services are spread around – it's been a developing area so spaces have been adopted as and when available. The trust wanted ideas about how to provide treatment and diagnostics around this one place. Because the site is not large we knew we'd have to build something of 14 storeys simply to get the area they needed.

"We thought, what if visitors or patients, rather than being faced with a long list of floors and activities and trying to work out where to go, what if they had fewer options? What if we

Continued on page 37...

MHA Lighting helps NHS Trusts fight hospital acquired infection

MHA Lighting is helping NHS Trusts fight hospital acquired infection rates with revolutionary sealed luminaires.

MHA Lighting's award-winning TiLite has been designed as a sealed unit to stop dust, bacteria and dead insects from gathering around warm light fittings and spreading deadly superbugs.

The LED's 66,000 hour minimum life span also eradicates the needs for routine maintenance and bulb replacement, which stops harmful bacteria from being distributed into the atmosphere.

Tom Harrison, MHA Lighting's MD, said: "Not only is the NHS saving money on operational costs for routine light maintenance, but LEDs burn 20 per cent of the energy of traditional fluorescents they replace – slashing CO₂ emissions and energy bills by almost 80 per cent.

"The government has set tough targets to



reduce CO₂ and energy efficient lighting is paramount in saving money and reducing a trust's carbon footprint. The money saved can also be ploughed back into frontline patient services."

At North Devon District Hospital, MHA recently replaced traditional 72 watt fluorescents with their 4,000 kelvin TiLite 20 and 30 watt units

in wards, corridors and reception areas.

The high colour rendering of 4,000k is precisely the colour the NHS requires to provide perfect light quality for examining patients and the cleanliness of the facilities.

In rooms for medical attention and in areas where colour inspection takes place a colour of at least 4,000k (neutral) is specified as it depicts skin pallor at its true colour.

Every year, the trust was consuming large amounts of electricity on lighting using up 127,910 KW/H per annum and emitting 70 tonnes of CO₂ in the specified areas.

Tom added: "The installation has saved 94, 866 KW/H and with the integration of dimmers energy savings have exceeded 75 per cent. The new lighting has also reduced the hospitals overall carbon emissions by 354 tonnes per annum."

MHA has also developed a bespoke dimming solution to allow lights to be dimmed down to 5 per cent. This allows healthcare providers to create a more pleasant and healing environment where patients and staff are in control of ward lighting levels.

For more information please visit www.mhalighting.co.uk or call 01942 887400

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The other key design concept is how each floor has been laid out to accommodate what's been dubbed the 'science of treatment' and the 'art of care'

Ivan Harbour

divided a 14-storey building into one that feels effectively like it has fewer levels. So, the plan of the building was broken down into just four components: ground floor plus three above – something much more human and therefore easier to use. And that drove this concept of the villages. When you arrive at the building, instead of 20 options of where you want to go, you've got three options. We're thinking of the building not as a telephone directory of floors but as a series of spaces that serve particular aspects of the facility."

Each so-called village comprises two to three floors and will offer a range of clinical and complementary care spaces with most of the related treatment facilities grouped together in one place. The villages will have balconies to allow light into the building and provide outdoor space, but privacy is maintained by a series of dividing screens, as many consultation/examination rooms overlook balconies.

The ground floor and first floor are the welcome village. This will form the heart of the building, a part of which is home to the Dimpleby Cancer Centre – a comprehensive information and counselling facility for patients and carers. There is also a rehabilitation gym and other drop-in facilities, plus space to relax and a café and shops.

In a break with the norm, the radiotherapy village locates the radiotherapy suites above ground. Typically these facilities have been placed in basements, or 'bunkers' as some patients described them, with no natural light. In the new Guy's cancer centre they will be on the second floor, where they will be properly integrated into the other functions of the building.

The one-stop village will bring together the majority of services that outpatients might need, including minor procedures and imaging. In the chemotherapy village, different-sized treatment areas will be created to allow patients to choose from either a large communal area or a more intimate and private space. Research facilities within the chemotherapy village will be run by King's College London. This will contain tissue banking and an experimental oncology facility with supporting laboratories. Finally, at the top of the building is the private patients unit.

The other key design concept is how each floor has been laid out to accommodate what's been dubbed the 'science of treatment' and the 'art of care'. Says Ivan: "Essentially, the building is a triangle and it's split into two parts for the science of treatment and the art of care. The latter is the part of the

Continued overleaf...



‘Crucial to the more welcoming ambience of the centre is that it is so visually permeable – both from inside and the street’



building closest to the street corner and the former is the back of the building and is a very simple, repetitive, adaptable and flexible space that can evolve over time to provide all the technical back-up to the people side of building.”

The divide is flexible – some floors feature clearly separated zones, some have care and treatment adjacent to each other with connections and some are suited to interwoven zones – but organising spaces along the lines of need, or not, for a divide has really helped. Ivan explains: “We’ve been able to say, well, these parts aren’t going to be clinical so they don’t need to look like a hospital. That also means we can be less stringent with controls but of course without compromising the operation of clinical areas.

“In a more traditional hospital layout, you throw everything together as a sort of porridge and the whole thing is clinical, whereas if you can be clear about which parts are used in which way you can go a different way with design.”

Crucial to the more welcoming ambience of the centre is that it is so visually permeable – both from inside and the street – with glass comprising close to 50 per cent of the panelised system that clads the concrete frame. Says Ivan: “We were very interested in getting as much daylight as possible in there, albeit controlled and understanding that there are certain parts of the building that shouldn’t be all exposed. Each of the villages has this large balcony outside of its arrival floor and is designed to feel like it’s got a bit of outdoors as part of it. There’s a great relationship between you and the sky.”

Research suggests art can help people recover faster because we all feel better in a beautiful space. But art within the new cancer centre will also be employed to help people find their

way around the building, using themes to intuitively identify the different villages. Three artists have now been selected: Angela Bulloch works across a variety of media such as light, sound and video installations; Gitta Gschwendtner is to focus on developing a key identity for each village through a practical design response to furniture, floors and perhaps a wayfinding artistic solution; and Mariele Neudecker will take on the balcony gardens and outdoor spaces.

With piling and basement work complete, above-ground floors are emerging in a project that is targeting a BREEAM Excellent rating. After installation of medical equipment next year, then commissioning and staff orientation during spring and summer 2016, the new cancer centre at Guy’s opens to patients in the autumn that year.

© King’s Health Partners



Client: Guy’s and St Thomas’ NHS Foundation Trust

Architect: Rogers Stirk Harbour and Partners

Co-architect: Stantec Anshen & Allen

Main contractor: Laing O’Rourke

Structural engineering: Arup

Services engineering: Arup

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A8000: 1,000kg large capacity platform lift – Lewis Manning Hospice

Located in Poole in Dorset, for the last 21 years, Lewis Manning Hospice has been dedicated to helping local residents with cancer and life limiting illnesses. The hospice has recently moved to a new state-of-the-art facility to expand their day hospice.

The hospice required the installation of a platform lift that would enable the transportation of a nurse, bed and patient between the ground and first floor of the hospice. As well as being “as large as possible” to accommodate the requirements, the lift had to also fit in to an existing lift shaft.

The Axess4All A8000 large capacity platform lift, was the ideal solution for the access requirements at Lewis Manning Hospice. A vertical platform lift was the perfect low cost, no hassle choice to fit in to the existing building, as well as to



accommodate the capacity requirements to transport patients in beds, accompanied by the Lewis Manning team.

It was stipulated from the initial enquiry that the lift needed to fit in to an existing lift shaft, so there were restrictions from the outset. However, Axess4All are experts in installations within existing environments so it was business as usual and the flexibility of three choices of size meant that the installation could go ahead with ease

and minimal disruption.

In addition to this, the A8000's unique features of the 1,000kg weight capacity and choice of the largest size platform measuring 1,405mm in width by 2,480mm in length, provided a flexible access option for the varying needs that visitors to the hospice have.

‘The capacity to not only transport loads weighing up to 1,000kg but also transport beds and patients made the A8000 the perfect solution’

Jason King, Axess4All

Call Axess 4 All Ltd on **0208 213 3099**, email sales@axess4all.com or visit www.axess4all.com

enq.149

Brightening the interior of healthcare



Envirotect Limited, based in Bedfordshire, has designed, manufactured and installed high specification bespoke lead lined doors specifically suited for use within healthcare environments throughout the UK and overseas. Constantly investing in product development, its skilled staff are both highly motivated and trained to offer consistently top quality products. With an established client base, each order is bespoke in terms of manufactured size, fixtures, fittings and colour. Envirotect door sets are incredibly durable and very easy to wipe clean, which is of particular importance given the settings that the doors are installed.

Doors are available in a range of finishes and colours, allowing hospitals and health centres to brighten the interior and enable certain areas to be zoned, according to the colour of the doors. Envirotect can match existing door finishes and manufacture non-lead doors to ensure consistency within a department. Envirotect lead lined door sets incorporate a lead core that runs through the frame, architraves and door leaves, providing continuity of protection and therefore complete ‘peace of mind’.

01525 374 374 www.envirotectltd.co.uk

enq.150

Schlüter compliments £480 million state-of-the-art hospital



Top of the range movement joints from Schlüter-Systems have been chosen to secure the flooring of a new £480 million project that will see Southmead Hospital Bristol become one of Europe's leading medical facilities. Playing an essential role in the hospital's aim to deliver exceptional healthcare and high quality facilities, Schlüter's maintenance free movement joints, Schlüter®-DILEX-KS, were specified thanks to the product's high durability and secure edge protection for tile and natural stone flooring. Installed throughout the new Brunel Building, Schlüter®-DILEX-KS offers the ultimate in flooring protection. Ideal for use with floors that are exposed to pedestrian traffic and for surfaces subjected to heavy mechanical traffic, the stainless steel movement joints ensure tiles won't bulge, dent or crack from substrate. However, as with any installation, a product has to tick a variety of boxes to become the recommended choice of architects and contractors and so, as well as its ability to protect and secure, Schlüter®-DILEX-KS also provides a high quality finish. Matching perfectly with the new state-of-the-art surroundings, the movement joints provide a discreet but aesthetically pleasing look to compliment its surroundings. With over 8,000 products in its range, Schlüter-Systems has an essential role to play in every professional tiling project.

01530 813396 www.schluter.co.uk

enq.151

Comar 7Pi commercial swing doors



Comar Architectural Aluminium Systems is pleased to launch its next generation of commercial swing door sets. By taking the extensive range of solutions from its market leading Comar 7 Door range and coupling this with its trade-marked Comar Pi (polyamide insulation), the new Comar 7Pi Commercial Door

offers even lower U-values housed in robust profiles for high traffic areas such as hospitals, schools, public buildings and communal flat developments. Safety and user friendly solutions are offered in the Comar 7Pi Commercial Door, with aesthetically pleasing round anti-finger trap stiles, that ensures safety for fingers on its hinge stile and thresholds that cater for DDA compliance.

0208 685 9685 www.comar-alu.co.uk

enq.152

Door closer is good for health



Available in standard and free swing versions, Samuel Heath's Powermatic® controlled, concealed door closers are totally concealed when the door is closed, delivering a host of benefits in aesthetics, hygiene, safety and well-being that are

proving popular with specifiers, clinicians and facilities managers throughout the healthcare sector. With cleanliness and hygiene paramount considerations, the closer's concealed mounting means that it offers minimal surfaces on which dust and other potentially harmful detritus can accumulate. It also reduces the burden on cleaning staff. Its concealed nature also presents little opportunity for vandals to damage its mechanisms and render the door useless in case of fire.

0121 7664200 www.perko-powermatic.co.uk

enq.154

Call for Brick Awards 2014



Once again, the search is underway to find the best brickwork in action for the 2014 Brick Awards, organised by the Brick Development Association. The Awards are one of the top design and construction awards in the country and show just what brick – the UK's most popular cladding material – can achieve. Entrants

are judged on a wide range of architectural design factors including demonstrating the building fabric's sustainability credentials and the aesthetic choice, blend and bond of brick. The 2014 Brick Awards will be presented at the Marriott Grosvenor Square Hotel in London on 12 November 2014.

enq.156

Profloor meets requirements



Crest Nicholson has selected PROFLOOR Acoustic Systems for installation at its prestigious dockside development at Port Marine, Portishead. The A. Proctor Group supplied 5,000 sq m of its Profloor Dynamic Deck 26 as the floating floor treatment to the separating floors. In addition to

this, Profloor Levelling System was also used in the first floor due to unevenness of the sub-floor. Profloor Dynamic Deck 26 comprises a unique resilient layer bonded to flooring grade tongue and groove chipboard. It provides a high degree of isolation resulting in significant improvements in impact sound insulation and also meets the requirements of Robust Details FFT5 constructions.

01250 872261 www.proctorgroup.com

enq.157

Deliver a high performing entrance with style



Manufactured from flexible PVC and supplied in 10m long rolls, Plastic Extruders Ltd's Frontrunner Entrance Flooring System offers attractive options and easy, quick and seamless installations for all your entrance needs. As style is an important factor when choosing your

entrance flooring, the Frontrunner range offers five colour grids, together with a choice of 10 different absorbent inserts, giving 50 possible design combinations. Plastic Extruders also offer the possibility of incorporating logo panels to the matting for that all-important first impression area. The products in the range feature open grid rolls in 2 heights that permit dirt and debris to fall through and prevent them from entering the building.

enq.153

Armstrong launches ceiling baffles



To meet the growing demand for noise reduction solutions that do not compromise the aesthetics of contemporary public areas, Armstrong Ceilings has added baffles to its portfolio. Armstrong now has a standard range of metal and mineral baffles to provide an even more flexible approach to noise

control in public areas such as airports, auditoria, rail terminals, schools, factories, hospitals and office buildings. Its new baffles range can be quickly and easily suspended directly from the soffit via cables or grouped using standard grid systems. The metal baffles are precision engineered with a regular perforation pattern and a high-performance glass wool insert for optimised acoustics.

0800 371849 www.armstrong-ceilings.co.uk

enq.155

HEMSEC SIPS are a light weight, injected polyurethane, off site factory engineered Structural Insulated Panel that have high structural and thermal properties, fast installation times, reducing site programs and have almost zero waste.

Castle Rock School Leicestershire

With a focus towards Modern Methods of Construction (MMC) and environmentally friendly, sustainable products - SIPS can provide construction solutions for all building sectors.

HEMSEC SIPS are designed for all internal and external, wall and roof applications on buildings for domestic and non-domestic construction such as:

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- Commercial / High Rise Buildings,
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SIPS are a "Fabric-First" approach, easily integrated with a wide range of construction materials, as a load or non-load bearing structure, to provide a built up - through wall panel system.

Now also available with 10mm OSB/3 Floorings.

Panel Thickness (mm)	Thermal Transmittance U (W/m ² K)	Weight (kg/m ²) (15/20mm SIPS)
100	0.170	22.10
120	0.150	25.10
150	0.130	28.10
180	0.110	31.10
200	0.100	33.10
250	0.080	37.10
300	0.070	41.10

HEMSEC SIPS Limited, Stoney Lane, Rainhill, Merseyside L35 9LL
 Tel: 0151 426 7171 Email: contact@hemsec.com www.hemsecsips.com

enq.158

‘As well as offering comprehensive guidance and advice, the NFRC provides technical assistance, engagement and support when working with a member of NFRC, along with access to information covering all disciplines of roofing’



Think roofs, think NFRC – but what’s in it for you?

By Ray Horwood CBE, chief executive of the National Federation of Roofing Contractors

In a fast-changing construction environment, it’s more important than ever that architects and specifiers keep abreast of developments within the roofing industry. From BSI British Standards to CompetentRoofer, there is an ever-changing landscape of legislation for roofing. Given the pivotal

role that architects and specifiers play in the design and specification of roofs and roofing materials, it’s imperative that they stay on top.

Equally, when it comes to specifying roofing products or collaborating with roofing contractors, it’s always tempting to stick to the tried and trusted, using only those products and companies that architects and specifiers are familiar with. However, having such a confined approach can lead to missed opportunities and the chance to turn the ordinary roofing project into the extraordinary.

To bridge this gap and provide guidance on all matters roofing, including education and best practice, the National Federation of Roofing Contractors (NFRC) has rolled out a roofing campaign to exclusively target the architectural community, entitled Think roofs – think NFRC.

Ray Horwood CBE, chief executive of NFRC explains: “The importance of roofing design in architecture can never be





under-estimated, and in a fast-changing industry, now is the time to launch a dedicated campaign that aims to position NFRC as a single source of knowledge and expertise for both architects and specifiers.

“Dating back over 120 years, we are the UK’s largest roofing trade association; representing over 70 per cent of the roofing industry by value, and currently representing over 1,000 contractors and 165 manufacturers, merchants and service pro-viders members.”

Ray continues: “Our knowledge and experience can benefit both new and established architectural practices, and we are confident that our Think roofs – think NFRC campaign will establish us as the architects’ answer to roofing, and ultimately lead to improved best practice across all roofing disciplines.”

But just what, exactly, do architectural practices stand to gain from working with NFRC? As well as offering comprehensive guidance and advice, the federation provides technical assistance, engagement and support when working with a member of NFRC, along with access to information covering all disciplines of roofing. Updates on the latest developments in standards and legislation are also available.

Ray explains: “For example, architects need to be aware that CompetentRoofer is now an accredited body for Green Deal and ECO, which enables member companies to become Green Deal and ECO authorised in one simple procedure, saving valuable time and money and further reducing the risk on project management.”

He adds: “As well as putting architects in touch with an extensive register of suppliers that they can place their trust in, NFRC provides an over-riding umbrella of knowledge and cooperation through the supply chain. Thanks to our extensive resource centre, we can become the first point of call for all architects and specifiers.”

As part of its best practice strategy, NFRC also firmly encourages architects, specifiers and project managers to work in close collaboration with roofing contractors to deliver high quality, consistent and cost-effective results on projects.

Working collaboratively not only reduces the stress and hassle for the client throughout the project, ensuring a smoother and often faster process, it also ensures that it is completed on time and in line with the specifications. It also helps guarantee that all tenders are like for like and comparable, and are the best use of any warranties given by the manufacturers.

enq.159

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enq.160



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www.nfrc.co.uk info@nfrc.co.uk 020 7638 7663

Image courtesy of Concept Roofing & Cladding Ltd



enq.161



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enq.162

Fakro flat roof window meets standards



The quadruple-glazed, Passive House-certificated FAKRO FTT U8 Thermo has by far, one of the best installed U-values currently available: 0.58W/m²K. The same glazing unit is now available in the new Type F flat roof window, the U-value of which is 0.76W/m²K. Its PVC frames have a white, acid-resistant internal surface which

has a very low moisture absorption rate. In addition to a standard range, Fakro manufactures the type F in bespoke sizes to match old skylights in need of replacement. Electrically operated, manual and non-opening windows are available as well as the XRD base which provides an upstand height of 15cm for green roofs.

0845 021 3030 www.fakro.co.uk

enq.163

Heritage Roofing Register – a helping hand



A unique register of heritage roofing specialists is providing much needed help and assurance for architects and specifiers when working on heritage projects. The Register is the brainchild of the UK's largest roofing trade association, the **National Federation of Roofing Contractors (NFRC)**. Designed to ensure that the roofs on some of the UK's most precious buildings are restored to the highest standards possible, this register – entitled The National Heritage

Roofing Contractors Register – provides an exclusive listing of only those roofing companies that have the vital skills and experience necessary for the repair and renovation of heritage projects. The Register comprises a total of 73 companies located throughout the UK.

enq.165

RigiSystems Ziplok roof for WWF



The Living Planet Centre, WWF's new headquarters in Woking, was designed to be at the forefront of sustainable design and construction, and it is now one of the greenest buildings in the UK with a BREEAM rating of 'outstanding'. An integral part of this achievement is 2,000 sq m of **RigiSystems**

Ziplok standing seam roofing, atop the 80m long, curved timber grid shell. In a MicroZinc finish, the Ziplok was attached via RigiSystems Corogrid bar and bracket system to a timber ply deck, creating a U-value of 0.15. To match the aesthetics of the building, the 400m wide Ziplok was specially rolled with just two ribs and no microribs to provide a clean, sleek look to the roof structure.

01905 750500 www.rigisystems.org

enq.167

Axter at the NBS National BIM library



As a leading, design focused manufacturer of roof waterproofing systems, **Axter** has created, in partnership with RIBA, a series of Building Information Modelling (BIM) objects enabling design teams to include high performance, robust roofing in their 3D models. BIM is the way forward for building design and implementation, allowing all parties to share a common information pool. Axter BIM objects include its most widely specified systems –

WILOTEKT-PLUS® structural waterproofing, ALPAFLORE green roofs, EXCEL warm roof constructions and ECOFLEX single ply. These can be freely downloaded in all major formats from the RIBA NBS National BIM Library.

01473 724056 www.axter.co.uk

enq.164

Metrotile offers highly experienced support



Metrotile Lightweight Roofing has always been proud of the customer service it provides. It offers support via its vastly experienced staff and brand new website. Metrotile offers stone-coated roofing systems that offer far greater benefits than traditional roofing products.

Each Metrotile roof also comes with a

forty year guarantee. For further information about Metrotile, visit its brand new website at www.metrotile.co.uk, where its new Blog is now online. You can also follow the company on Twitter via @metrotileuk

01249 658514 www.metrotile.co.uk

enq.166

Protan quality helps fulfill Amazon order



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One of Europe's largest single ply roofing membrane manufacturers has won a massive order for new Amazon fulfilment centres. **Protan** is supplying over 315,000m² in total of its SE membrane to create insulated roofs on three new logistics depots, each 181m x 529m, in Poland for the online retailer.

Delivery of almost 157.5 tonnes of Protan SE membrane per site, manoeuvring onto the roof and across its 0.5km width, mechanically fixing onto the roof structure of steel deck, vapour control barrier and insulation, and detailing round rooflights, parapets etc. all has to take place within the short six week timeframe.

01925 658001 customer@protan.co.uk

enq.168



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enq.169



Meet the Eco Technology experts

The third Eco Technology Show returns to the Brighton Centre on 26-27 June with over 140 exhibitors and a powerful speaker line up that offers practical information on how to install and use energy saving technology; ideal for those involved in architecture and other specifiers

'The free seminar programme will cover legislation, funding and incentives and the major discussion points on energy management, build, water and waste, transport, technology and resource efficiency'

An extensive seminar programme of over 60 keynotes and talks kicks off with a keynote speech from Greg Barker MP, Minister of State for Energy and Climate Change, who will reaffirm the government's commitment to reaping the economic benefits of shifting to a lower carbon economy; a subject at the heart of the show's agenda. On a practical level, members of his team at DECC will explain how the domestic RHI is going to roll out.

The completely free seminar programme sessions will cover legislation, funding and incentives and the major discussion points on energy management, build, water and waste, transport, technology and resource efficiency.

Other highlights of the conference programme for architects and other specifiers include:

- A review of the government's Green Deal scheme by the Energy Saving Trust will help contractors get the most out of this unique incentive.
- Eco celebrity Oliver Heath will present the benefits of eco refurbishment and energy assessment.
- An update on the government consultation to achieve zero carbon building standards by Martin Russell-Croucher, director of sustainability and special projects, Royal Institution of Chartered Surveyors (RICS).
- Cut through government red tape for new build and refurbishment projects with the South East Centre for the Built Environment (SECBE).

Look out for...



H.D. Services Ltd is a fully MCS accredited company who aim to provide the highest quality open-loop ground source heat pump installations for the domestic market in South East England, helping to reduce energy bills by more than 50 per cent. Contact them today for a free feasibility study.

enq.170





- A big debate on future technologies and material innovations in the building industry chaired by Julie Hill, Circular Economy Task Force, Green Alliance.
- Understand how to reap the monetary benefits of energy efficiency for new builds and retrofits from Sean Twohig, Group Environmental, H&S, risk manager, Jury's Inn.
- A presentation on hybrid heating systems and how they can slash customers' running costs by 20 per cent by Keith Rule, sales director at Fond Nova UK.
- Tom Lipinski, technical director at Ventive, sharing his firm's vision of the future of ventilation.

The show's exhibitors will demonstrate how optimum building and running cost savings result from a holistic view of a project, through investment in the right technology and low-carbon solutions for buildings, smart choices of building materials and even through to furniture design.

As well as showcasing energy technology, many exhibitors will also showcase cutting-edge design technology.

The show's exhibitors will demonstrate how optimum building and running cost savings result from a holistic view of a project'

The Eco Technology Show will be open from 9.30am - 5pm on Thursday 26 June and 9.30am - 4.30pm on Friday 27 June.

Registration is free.

Further information can be found on the website www.ecotechnologyshow.co.uk

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

Expert speakers announced at Eco Technology Show...

Ref: 71832

The UK's rooftops to become power stations...

Ref: 41869

Construction professionals and architects ready to cash in on eco technology...

Ref: 18051

Willmott Dixon appointed for exemplar stage of NW Bicester eco town...

Ref: 91917

The Eco Technology Show: showcasing low carbon technologies...

Ref: 45703

United Nations recognises postgraduate's talent for sustainable design...

Ref: 19713

Big energy brands back Ecobuild for growth...

Ref: 24276

EcoHaus design challenge launched for 2014...

Ref: 55253

Optimism returns to green construction as policy is made at Ecobuild...

Ref: 18863

Family of six architects create eco homes in SE London garden...

Ref: 28031



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Modern heating technologies place enormous demands on a chimney system. Designed for the new generation of air-tight homes, Schiedel Absolut XPert is the first Passivhaus certified chimney system worldwide. Air tightness is built into the system. Suitable for use on all fuel types, with its GW3 rated ceramic profiled liner, Absolut XPert offers condensate resistance even after a soot fire. For further details on SCHIEDEL ABSOLUT XPert, please visit the website.

enq.173



The Dunsley Yorkshire, from Dunsley Heat, will burn virtually anything. You can burn wood, coke, anthracite, bituminous coal briquettes, even in a smoke control area. Clean combustion means a genuinely clear view of the fire through the big self-cleaning window. Burning the smoke as well as the fuel means more heat for less fuel. That means less ash, less frequent refueling and much less hassle. The stove emits only about 1.2 grams of smoke in a whole hour.

enq.174



Valcan's Vitrabond is a light-weight metal composite cladding panel, ideal for external facades, fasciae and sun blades. Vitrabond consists of two aluminium or other natural metal cover sheets, enclosing a polyethylene or fire rated core. This concept gives it a wide variety of advantages for both architects and installers. It is stable, yet readily mouldable, extremely weather resistant, and very easy to install. It is recognised as a superior composite panel cladding solution.

enq.210



Gunning Heating Products now specialise in domestic trench heating, delivered fully assembled for easy fitting. Trench heating is an ideal way to stop draughts and condensation along glass areas. It is great for those hard to heat spaces and makes a heat curtain along the glass. Gunning Tubular Radiators are compact low level heaters with a high output. They are suitable for conservatories and rooms where wall space is minimal and look good too.

enq.175

Absolut XPert
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Air-tight homes and modern heating technologies place enormous demands on a chimney system. For example, energy efficient systems with low flue gas temperatures can lead to condensation. With its integrated and insulated combustion air shaft, Absolut XPert from Schiedel is the ideal system to avoid damage to the fabric of the building due to condensate, while achieving maximum efficiency and warmth. Its profiled liner also makes it capable of withstanding chimney fires and corrosion. Easy to install and Biomass compatible its the Absolut XPert solution for stress free heating. To find out more about Absolut XPert, visit us at www.schiedel.co.uk

CE EN 13063-1/2/3 Part of the BRAAS MONIER BUILDING GROUP

enq.173







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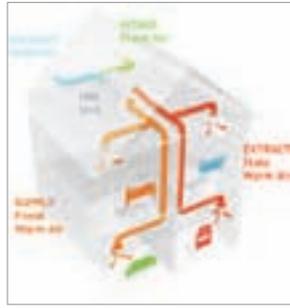
All Dunsley stoves are manufactured in Great Britain
www.dunsleyheat.co.uk

enq.174



Landy Vent UK Ltd completed formal EU testing for its Ecco Stove models EC678 and EC730 which achieved ground breaking efficiency; carbon to atmosphere and particulates to atmosphere achieving up to 88 per cent efficiency and CO of 0.07. The heat storage benefits have not been affected, making it a first in UK design and manufacture for slow heat release appliances. The products will have their first airing at the Hearth and Home show in Harrogate in June.

enq.176



Whole house heat recovery ventilation (HRV) offers dramatic fuel cost savings and health benefits, says **Total Home**. With the development of Heat Recovery HEAT PUMP Ventilation (HRHPV) enabling a home to be fossil-fuel free is no longer the domain of the bespoke eco home. If carbon neutral targets and building regulations are to be met, an efficient HRV system is now an essential component as new buildings become increasingly insulated.

enq.177

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

'Visionary concept' for sustainable science museum receives international recognition...

Ref: 56151

Greenbuild provides the tools for truly sustainable development...

Ref: 48177

Hemclad plays pivotal role in helping M&S eco-store outperform sustainability targets...

Ref: 63533

Swedish development project to create sustainable compact living for students...

Ref: 31603

Green light for sustainable regeneration of South Wales colliery site...

Ref: 93626

'A sustainable and low carbon future' cuts across the Farrell Review...

Ref: 89249

Brent Civic Centre wins Sustainable Project of the Year award...

Ref: 64812

EcoTherm and building innovation solutions on top of the shops...

Ref: 14498

Innovative recycled eco glass from Stoneville...

Ref: 83793

Atkins to design transport hub for new Enfield eco-neighbourhood...

Ref: 12342

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GDL's Solarstore Units, part of its Intelivent natural ventilation range, utilise solar power to assist in the effective operation of its natural ventilation systems. This method is an energy efficient and cost effective way to increase the ventilation rate throughout the building, rather than incorporating a costly mechanical arrangement. A solar photovoltaic cell is located on the roof of the turret itself allowing 24-hour supply or extract ventilation.

enq.178



James Jones' JJI-Joists are a market leading I-Joist and the only one that can be supplied with a carbon negative impact figure to PAS 2050 standards. It has full design and software support, including BIM output, making complex design solutions easy. JJI-Joists provide deep section wall studs allowing increased levels of insulation to meet the highest U-Value requirements. It can be used individually or in cassette form to provide lightweight and strong structures.

enq.111



AEL Heating Solution's FARAL range of aluminium radiators have been the choice of many architects and local authorities for over 50 years, providing the highest heat output achievable from one of the most energy efficient low water content aluminium radiators available. The FARAL range of aluminium radiators is available in many sophisticated styles which are very light in weight and provide easy handling and installation.

enq.226



Carron offer one of the UK's finest collections of cast iron radiators. Cast iron radiators are a valuable investment, offering a longer lifespan than many modern radiators – original Victorian radiators are still being used today. Cast iron radiators take longer to heat up than modern steel radiators, but continue warming the property after the heating has been switched off, resulting in potential savings on energy costs. They can also be combined with eco technologies.

enq.221



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*Part of a controlled natural ventilation unit. GDL is a manufacturer of air distribution systems. Intelivent and Intelishade only refers to the control packages available on our natural ventilation and solar shading systems within our renewable energy range. The systems can be purchased from us with or without the controls package.

enq.178

New Schueco aluminium window



New to the Schueco AWS aluminium window range is the high performance AWS 120 CC.SI, which combines exceptional levels of sound and thermal insulation with integral solar shading. The window is officially Passive House certified when appropriate glazing is used and is available as tilt/turn, side-hung inward opening or combined with fixed lights. The composite construction of the window takes the form of an inner vent – which is either double- or triple-glazed – coupled to an outer vent which is fitted with a single glass pane up to 10 mm thick. The cavity between the sashes accommodates a blind and, together with the glazing, provides the optimum solution for high sound reduction, without the need for unsightly secondary glazing.

01908 282111 www.schueco.co.uk

enq.179

DBM offers 20 per cent energy savings



Save up to 20 per cent on home heating and hot water bills with Marshall-Tufflex's award-winning Domestic Boiler Manager system. DBM controls the firing cycle of gas, oil and LPG boilers, reducing unnecessary boiler firing (dry cycling). Not only does this typically reduce boiler running costs by 20 per cent (subject to usage pattern), it also prolongs the lifespan of boilers because they do not have to work as hard. The DBM's software uses flow and return temperature data to calculate the most efficient boiler firing pattern. This significantly reduces fuel wastage. Internal comfort levels are maintained and CO₂ emissions reduced.

01424 856610 www.marshall-tufflex.com

enq.180

What if a Green Exhibition really was green?



Global carpet tile manufacturer **Interface** has encouraged visitors to the Construction21EXPO to view the latest sustainable innovations and possibilities, while experiencing the greenest building exhibition ever. The event, sponsored by Interface and the first virtual tradeshow for sustainable construction for Europe, eliminated the need for travel and materials used to construct exhibition stands, therefore making it a truly sustainable event. Ramon Arratia, sustainability director at Interface, said: "Interface continues to push boundaries when it comes to reducing the environmental impact of its processes, and as such, we are really pleased to have the chance to support a virtual exhibition."

01274 690690 www.interfaceflor.co.uk

enq.181

Renewable Ecodan system meets targets



When Andrew Fish was looking to build a new house in an off-gas area in rural Wiltshire he needed a heating system that would fit with a strict overall budget and protect the home against rising fuel bills into the future. Manufactured by **Mitsubishi Electric**, Ecodan is the market-leader in air source heat pump systems and is also endorsed with the Noise Abatement Society's prestigious 'Quiet Mark'. The Ecodan unit heats the home through underfloor heating on the ground floor and radiators in all first floor rooms and provides all the hot water the house needs. The choice offers Andrew Fish a comfortable, sustainable heating system at low running costs for both now and the future.

01707 282880 www.heating.mitsubishielectric.co.uk

enq.182

Specflue unveils pellet cooker range



Specflue is launching a new range of pellet cookers this autumn. Manufactured by MCZ - one of the first companies in Europe to introduce pellet technology - the Neos Pellet Cooker will be a first for the UK. Phil Lowe, Head of Sales & Marketing at Specflue commented: "This is a smarter, more eco friendly addition to the family of range cookers. Not only can the appliance be used to cook all year round, it can also heat the whole home via air ducting. There is also no need for an additional cooker in your kitchen for use in the summer, as when the pellet brazier is switched off; the oven becomes a ventilated electric oven."

The pellet cooker comes with all the benefits of pellet stoves and boilers. It is energy efficient and controllable and can be set to turn on and off as required by the owner. It is also competitively priced and can be installed in any home, as long as there is the necessary space for the flue, which can either be fitted to the top or the back of the unit.

For more information on the pellet cookers or to pre-order, visit the website or call Specflue.

0800 9020220 www.specflue.com

enq.183

Vortice helps development reach targets



Ventilation systems for the fabulous Maryland development of houses and apartments have been supplied by **Vortice**. Its popular HR400M heat recovery systems are used throughout the project. Vortice heat recovery systems have impressive performances, with thermal efficiencies achieving

the low 90 per cent range and with excellent specific fan power ratings. Andrea Fawell, Sales and Marketing Manger at Kebbell Homes said: "We put an enormous amount of effort into researching the best possible products to produce the excellent SAP ratings achieved by our homes and were pleased to incorporate the Vortice HR400M heat recovery systems throughout the development."

01283 492949 www.vortice.ltd.uk

enq.184

GEZE UK publishes updated product guide



Architects, architectural ironmongers and specifiers will be able to choose the right product for the job thanks to the updated Product Guide and Price List from **GEZE UK**. The guide is divided into five sections: overhead door closers; floor mounted closers; sliding door fittings; window control systems; and smoke and heat extraction systems - to ensure specifiers can quickly find all the information they need. New for 2014 is information about

GEZE UK's range of window control systems, which were launched last year and encompass the ECchain, Slimchain, Powerchain, E 250 NT spindle drive and the 100 NT, 105 NT, and 110 NT electric spindle drives.

01543 443000 www.geze.co.uk

enq.185

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enq.187

PVC-U windows: an alternative to timber



The VEKA UK Group's Mark Barsby looks at PVC-U as an alternative to traditional timber, and what brought about this change: "For many years, PVC-U barely got a look in when it came to heritage projects, and this could largely be forgiven: first generation windows didn't quite look the part compared to timber, despite the obvious energy efficiency benefits. The industry acted quickly and products evolved at an astounding rate. Advanced systems were designed that were virtually indistinguishable from the real thing. It seems that decision makers in this sector are beginning to accept the advantages of this valuable, non-rotting, energy-efficient material. We now have a range of popular window systems that would be at home in any home, however old."

01282 716611 www.vekauk.com

enq.188

greenteQ SENSO turn handle by VBH



FG SENSO is the latest product from the German greenteQ range to be introduced into the British market by VBH. It is described as an attractive matt brushed stainless steel tilt and turn handle with in-built electronic alarm and climate control functions. The alarm function detects any vibration that may indicate an attempted break-in. The vibrations trigger a 3 minute 115 db(A) alarm signal to deter would-be intruders. As soon as the handle is moved into the closed position the alarm function is activated, without the need to enter a password or remember to click a switch. The climate control function detects when the air humidity in a room exceeds a pre-set figure (50, 55 or 60 per cent). The user is alerted via 2 LED lights on the sides of the handle backplate.

enq.189



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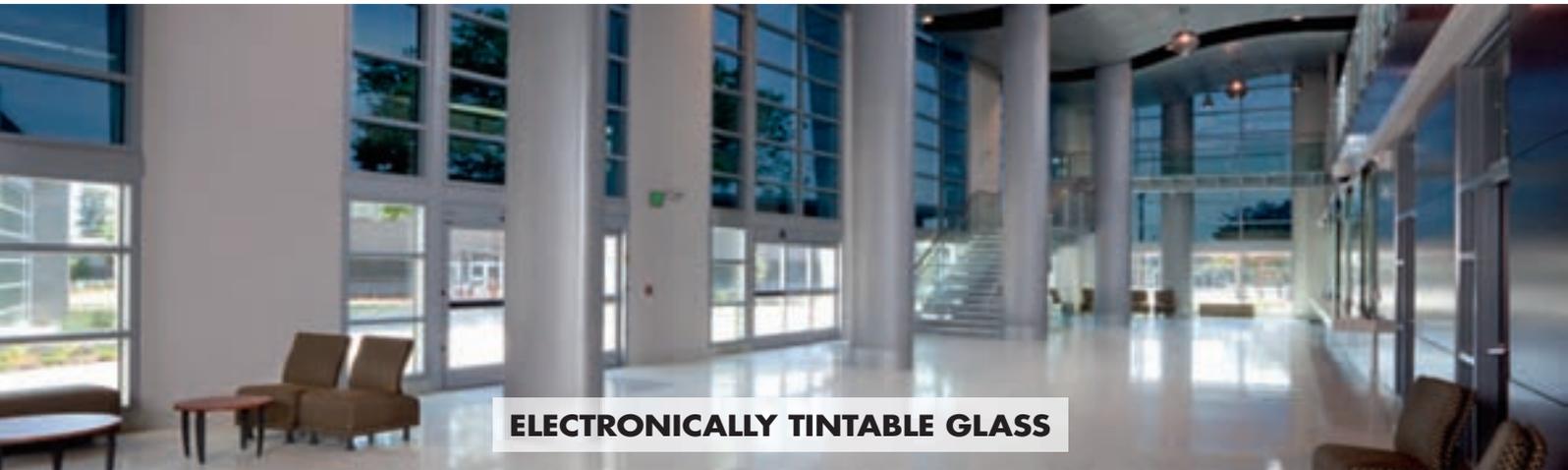
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Nationwide rewards 1,500th door installation



Leading social housing door and window supplier Nationwide Windows and Gloucester City Homes (GCH) were delighted to recently reach the milestone of the 1,500th door installed in GCH's current improvement programme. So delighted in fact, that the recipient of the new door, GCH tenant Mrs

Roberts was presented with a bunch of flowers and a box of chocolates by the installers who fitted the door, in conjunction with the housing organisation. Matthew Reed, Nationwide Windows' Project Manager for GCH enthuses: "That we've reached our 1,500th door installation goes some way to show the strength and longevity behind our partnership with Gloucester City Homes."

01788 569 228 www.nationwidewindows.co.uk

enq.201

Levolux excels in Exeter



The £28 million new Research Innovation Learning Development Centre (RILD) in Exeter is a world-leading medical facility, which pushes the boundaries of eco-friendly building design by combining renewable energy, heat recovery and a fixed external Solar Shading solution by Levolux. The curved façade of the central structure features floor to ceiling glazed curtain walling, to maximise

daylight levels throughout the building. As a UK leading solar shading specialist, Levolux was invited to develop a custom solution, based on its Infiniti® Fin system, to help control light, heat and glare levels, without compromising the thermal performance of the glazed envelope.

enq.202

Yeoman Rainguard gives new lease of life



Yeoman Rainguard lead effect GRP rainwater pipes, clips and hoppers have been used to replace damaged rainwater systems on the historic Saint Patrick's Cathedral in Dublin. Architect John Beauchamp from Benjamin + Beauchamp Architects Ltd said: "We specified Yeoman Rainguard GRP for this particular project as they were able to match the design of the existing pipes and hoppers by producing moulds from which glass reinforced plastic replicas were supplied." New downpipes were colour matched to the existing lead and produced in three separate colours to ensure a seamless installation at each location.

enq.203

adf

newsletter

Emailed on a fortnightly basis the Architects Datafile newsletter is designed to provide the architect with the latest information on products and services of interest, direct to their inbox. The reader can quickly gather a snapshot of information from 12 carefully selected companies and easily follow links through to further information on the www.adfonline.eu, or go direct to the company's own website. Brochures and videos are also regularly available.

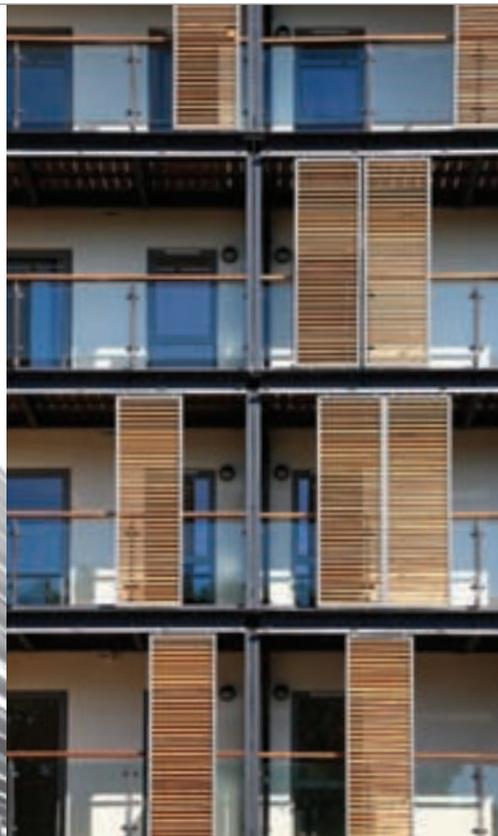


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enq.205

Outdoor sun protection systems for a comfortable indoor climate

The trend is clear: we want to allow as much natural light in as possible. That is why we use so much glass. As the intensity of natural light changes considerably depending on the season, time of day and cloud cover, the desired comfort level in our home remains constant. Managing natural light well has become more important explains experts RENSON

Thanks to winter sunlight, energy consumption can be reduced. However, in summertime the sun can cause a lot of discomfort. Intensive insulation of a building keeps the warmth inside, which results in overheating. The sun also interferes with visual comfort by reflecting off TV screens or computer monitors. Uncontrolled incoming sunlight can also lead to discolouration of furniture, floors and curtains.

Those problems can be prevented easily by using efficient sun protection. This creates optimal thermal comfort that is warm enough in winter and pleasantly cool in summer. It also makes a positive contribution to the energy consumption of the entire building. Studies show that well-conceived sun protection can reduce the annual energy consumption levels for a building by 10 per cent.

It should not be forgotten that sun protection has an important aesthetic role to play. Making good choices will not only ensure that your project is energy efficient, but will also contribute to its aesthetic value.

Three ways to keep the sun out

1 Indoor sun protection in the form of curtains, screens or blinds, is a good and relatively inexpensive way to keep the sun's rays out. However, it is not an optimal thermal solution, because the heat will eventually get in.

2 Reflective glass also provides protection from excessive solar heat. The disadvantage is that the light is also limited during the winter period, so less warmth gets in.

3 Outdoor sun protection, structural or screens, is the most efficient way to protect from the sun. It prevents the sun's rays from hitting the glass directly. The entering of natural light and heat can be controlled depending on the situation.



'Outdoor sun protection, structural or screens, is the most efficient way to protect from the sun'

What should be kept in mind when selecting a sun protection system?

Next to the aesthetic taste of the end user, there are still a couple of other aspects to consider when choosing the right sun protection system:

1 Orientation of the space: of course, you don't have to install a sun protection system on the northern side, but on the other sides it might be necessary to have a look at the position of the sun to select the perfect solution.

2 Function of the space: in a living room looking out to the garden, you might prefer to maintain that contact with the environment, whereas in offices one has to prevent the sun from disturbing the employees. In the bedroom, for instance, you have to make sure that no sunlight at all is entering.

3 Height of the windows: when installing small windows, almost all types of solar shading solutions can be used. The larger and bigger the glass surface, the more difficult it is to block the sun's rays. Awnings, for instance, are ideal for smaller window parts, whereas screens and structural sun protection with aluminium blades can be used for almost every surface.

An extensive choice in outdoor sun protection systems

There are many different types of outdoor sun protection solutions, split up into two categories: structural sun protection and external blinds.

Continued overleaf...

'In many cases different sun protection systems are combined in a single project'



Structural sun protection

1 Projecting brise soleil with horizontal blades, mounted under an aluminium support structure. As brise soleil hang above the windows, they do not interfere with the view from inside. They also provide good shading when the sun stands high in summer. During winter, when the sun stands low, they allow the pleasant warmth of the sun to come in.

2 Fixed shutters that are positioned vertically onto an anchored support structure on the facade in front of the windows. Because of the size of those installations and the fact that the blades – both fixed and moveable – always remain in front of the windows, such systems are seldom used in residential buildings but are used frequently in non-residential projects. The production of such solutions is usually custom work and the installation is entrusted to steel or façade installers.

3 Moveable sliding panels with integrated reflective windproof screens, aluminium or wooden blades provide a controllable solution. When there is a risk of overheating, the windows can be covered by sliding the panels partially or completely over them. In case of a more comfortable light inlet, the panels can easily be pushed away.

4 Folding shutters are a type of dynamic sun protection which can be converted from sun protection in front of the window into a horizontal open position above the window.

External blinds

Fabric screens for vertical or horizontal glazing, such as conservatories and roof lights, provide optimum shading. There has been a transition to windproof solutions. These systems are usually equipped with side guide zip technology. This ensures a tight and windproof screen in every position.

Different types of screen have each their own characteristics. The fibreglass fabric insulates well and keeps UV rays out, is 100 per cent stable and easy to maintain. Polyester fibre cloths are also highly valued for their resistance to tearing and wear. There are also fabrics that are completely translucent, semi translucent and obscuring. The efficiency of a screen is related to its colour. Light-coloured screens allow more light and UV rays through, while darker models filter out more than 90 per cent of the UV rays.

Conclusion

There are many different types of sun protection. Depending on your application you have to select the right solution. In many cases different sun protection systems are combined in a single project. Architects, installers and end users can work together with the project teams of manufacturers to develop a suitable solution for each project.

enq.206

Introducing ARP's Rainfall Calculator

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If Carlsberg made buildings...

When Carlsberg UK built an extension to the bottling plant at its brewery in Northampton it wanted the new building to stand out externally as a great building. A major contribution to this aim was made possible by the choice of Rockspan and Europanel stone wool core cladding panels manufactured by Eurobond Laminates.

Yorkshire-based Caddick Construction won the contract to design and build the bottling hall and used a combination of panels in five shades of green – light at ground level to dark at roof level.



'Carlsberg UK wanted the new building to stand out externally as a great building. A major contribution to this aim was made possible by the choice of Rockspan and Europanel stone wool core cladding panels'

The 7,000m² expansion, within the Northampton Waterside Enterprise Zone, enables Carlsberg UK to double its production of brands including Carlsberg, Carlsberg Export, Carlsberg Special Brew, Tuborg, Skol, Holsten and San Miguel beers. The facility can produce a staggering 60,000 bottles of beer per minute – ten million per year. It also has a number of windows built into its side where people passing by can see bottles progressing through the factory.

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www.eurobond.co.uk

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Five shades of green Rockspan and Europanel deliver a stunning visual feature to Carlsberg UK bottling plant



RMIG helps Denmark's North Star School shine

An innovative school at Fredrikshavn in Denmark is using precision perforated steel panels from RMIG, to create giant graphic images depicting key landmarks from across the world as part of a unique cladding and facade solution at the new North Star School.

Designed by architects Arkinord A/S and Arkitema K/S, with the picture perforations developed by Art-Spot Design, the school provides primary, junior and secondary education for approximately 1,200 pupils and was created by combining the facilities of three existing schools into a single new 14,000 sq m building.

By using a two-storey, five-pointed star design, all the classrooms have access to natural light and ventilation, to create a comfortable working environment that is conducive to education as well as

creating a spirit of adventure, which is reflected in the building's design and the perforated facade from RMIG.

The flat wall at the end of each arm in the school's star design incorporates an individual complex graphic design manufactured by RMIG using its proprietary ImagePerf technology that allows thousands of different sized precision perforations to be made and create graphic images from artwork, drawings and even photographs.

RMIG worked closely with the two architectural firms and Art-Spot Design to convert the concepts into finished perforated panels representing a scene inspired by the compass direction of each arm of the star. For the western arm, the USA and UK are represented, while Scandinavia, Africa, the Middle East and the North Pole are conveyed on the others.

Contact RMIG for more information on 01925 839 600, email info.uk@rmig.com or visit www.rmig.com

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STYROFOAM stockist network extended



STYROFOAM and XENERGY extruded polystyrene (XPS) insulation products are now available from a wider stockist network, offering improved UK-wide coverage for builders and contractors. Manufacturers **Dow Building Solutions** has made a list of distributors available on its website at www.styrofoam.co.uk, via

a handy stockist finder, which enables those looking for the XPS products to quickly search for branches by postcode or location. Chris Gimson, commercial director for Dow Building Solutions, commented: "Our distributor network is very important to us, and regularly acts as the interface between us as manufacturers and our customers – contractors and building designers."

enq.211

Institute discovers outstanding performance



When plans were drawn up for a new multi-million pound institute to lead cutting edge research into environmental change, minimising the building's CO₂ emissions and environmental impact were key design considerations. Accordingly, a wide range of **Kingspan Insulation** products have therefore been

installed on the walls, floor and roof of the University of Exeter's Environment and Sustainability Institute (ESI), helping it to achieve a BREEAM Outstanding rating with an interim score of 91.57. Both Kingspan Kooltherm K3 Floorboard and Kooltherm K15 Rainscreen Board were installed. Both products have a Green Guide summary Rating of A+.

01544 387384 www.kingspaninsulation.co.uk

enq.213

Kingspan Kooltherm slims down its lambda



When it comes to internal insulation, every millimetre saved can have a real impact on the final living and working space. With that in mind, **Kingspan Insulation** is proud to introduce the first of its new slim line range of Kooltherm products featuring a thermal conductivity of 0.019 W/m-K – the next step towards an expected 0.018 W/m-K. In addition to a

lower thermal conductivity, the products feature a 9.5mm plasterboard finish and an integral vapour control layer – a winning combination that can help achieve desired U-values with a minimal build-up. The improved thermal efficiency of the insulation is delivered through a cutting-edge blowing agent.

01544 387 384 www.kingspaninsulation.co.uk

enq.212

New specification tools from Knauf Marmorit



A brand new suite of literature, updated CAD details and Building Information Modelling (BIM) drawings are now available to download from the website of render and external wall insulation systems (EWI) manufacturer **Knauf Marmorit**. The new literature system

comprises 15 individual elements ranging from brochures and datasheets up to a comprehensive 45-page technical manual. The company's CAD library now includes some 89 detail drawings in DWG and PDF formats. A suite of BIM details illustrating the company's Warm Wall Systems has been created for Knauf Marmorit in the most popular CAD formats by the NBS National BIM Library.

0117 982 1042 www.marmorit.co.uk

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James Tobias opens London showroom with strengthened sales team and new products

James Tobias Ltd., a UK storagewall manufacturer has opened a new showroom in Central London. Situated at a prestigious location in Farringdon, the impressive new showroom is shared with facilities services company The Atkinson Group of Companies.

James Tobias can now offer its customers a base in which to meet and view first-hand the full range of innovative products. Being in Central London puts James Tobias at the heart of the commercial construction sector, which is now growing strongly once again.

The company is also announcing two new additions to its sales force, Daniel Goodall (South East) and Mick Lamy (Midlands). This represents an increase in the size of the team from five to six, enabling James Tobias to offer improved service to its customers. All sales staff are now based in the regions in which they operate.



The company's investment in both staff and premises comes as a result of continuing growth in the company's core business.

"We are now coming to the market with a strengthened product range, which our customers can easily access via our Central London showroom and their contact will be with a reinvigorated and enlarged sales team," says David McLaren, director. "I am confident that the presence of a showroom, together with our partner The Atkinson Group of Companies, will provide a major benefit for our customers, especially in the London area."

New products include sliding door storage units for commercial storage applications where a modern space-saving approach is required. British-designed and manufactured, the sliding door version is especially suitable for installations where a neat or space-efficient solution is required. The company is also introducing new swipe card locks.

Call the team at James Tobias on **01278 437 300**, email sales@james-tobias.com or visit www.james-tobias.com

enq.217



Minus 7 hybrid energy harvesting system

The **Minus 7** hybrid energy harvesting system, that provides economical, all year round heating and hot water, has recently been switched on at a new housing development in Norfolk. The system is made up of an endothermic roofing system, a solar energy processor and a large thermal store. The system uses endothermic tile planks with bubble and flipper seals to form a weather-tight interlocking roofing system. The tiles are made from a uniform profile, aluminium extrusion, dressed in a powder-coated, hard-wearing finish. The endothermic tile planks are flooded with a heat transfer fluid which absorbs both ambient heat energy and solar thermal energy. It is classified as a solar-assisted heat pump technology within the National Calculation Method (Standard Assessment Procedure). Using the **Minus 7** system means the apartments do not require conventional gas boilers, reducing maintenance and service charges.

01922 419405 www.minus7.co.uk

enq.218

Development benefits from heating solution



Atlantic Boilers has installed its super-efficient electric boilers at a new development of a period building. Breakspeare House in Harefield, Middlesex is a magnificent Grade I listed building. Phase 1 of the development consisted of the main building being converted into nine luxury apartments. Ideal for each of these highly insulated rooms were the Atlantic

Multi-Elec Compacte boilers each rated at 36kW. These units are robustly made to a working pressure of 4BARS and temperatures from 40°C to 95°C. The boiler body has 50mm thick rockwool thermal insulation and a seasonal efficiency greater than 99 per cent GCV. The boiler bodies have a five year warranty.

0161 621 5960 www.atlanticboilers.com

enq.219

Improved slim line Domus Radial from Polypipe



Polypipe Ventilation is pleased to announce the launch of its next generation of Domus Radial duct systems. Domus Radial was introduced by Polypipe Ventilation as an alternative to traditional branch based ducting systems. The re-engineered Domus Radial incorporates a new innovative 125mm deep manifold which is less than half the depth of the

former version. This ultra slim-line size makes it ideal for installation between loft joists or in tight spaces. The smaller manifold size also allows for greater location flexibility, removing the need to place the manifold adjacent to the centralised appliance. As with the previous Domus Radial Duct System, the new system can be used in all domestic properties.

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Sika sets new trends in decorative flooring



Sika is helping UK architects and interior designers to achieve greater design freedom with the introduction of its seamless Decorative and Comfort Floor ranges.

The result of 40 years' flooring expertise, Sika's high performance epoxy and polyurethane resin flooring systems push the boundaries in liquid applied vinyl to new levels, offering a sustainable, cost effective and seamless solution with thousands of design possibilities.

From bold single colours to granite, decorative quartz, decorative flake and marble effects, the stylish range lends itself to new build and refurbishment projects across a wide range of commercial sectors including retail, offices, healthcare, leisure, education and food and drink.

The Sika Comfortfloor® range, for example, is

ideally suited to commercial and public buildings where personnel stand for long periods of time, or where reduction in footfall noise and horizontal noise transmission is required. This seamless system is easy to apply and can be built up to serve individual comfort, acoustic, design, colour and cost requirements, with optional finishes, smooth and anti-slip coatings, covings, floor to wall coatings, and incorporation into underfloor heating systems.

Mark Bushell, national sales manager flooring and refurbishment at Sika, said: "The introduction of our seamless flooring ranges signals an exciting new era in commercial flooring design and installation. We've listened to the needs of our customers and have developed an impressive alternative to traditional sheet vinyl, lino, tile and timber flooring solutions. The Decorative and Comfort Floor ranges are simple to apply, and leave nothing to desire from a technical, practical or aesthetic regard. They can even be refreshed to further extend the life cycle".

enq.222

For more information about Sika's commercial flooring ranges please visit www.sikaflooring.co.uk



Tarkett LVT installation at fitness centre

A King's Lynn swimming centre that has almost a quarter of a million visits each year has revamped its viewing area with the help of Tarkett flooring. The 100 sq m area of the Norfolk St James' Swimming and Fitness Centre, which includes catering facilities and vending machines, has been installed in Tarkett's iD Inspiration 70 luxury vinyl tiles (LVT). The installation was carried out by Featherby Flooring, also based in the town, and users and staff at the centre are delighted with the finish. Featherby Flooring now plans to use Tarkett LVT in the future and has already lined up a 300sqm residential role for the product in a large executive house. Steve Urwin, Tarkett's UK marketing manager, said it was good to hear such praise for the LVT range. Tarkett's LVT range is environmentally friendly being 100 per cent recyclable, and includes a minimum 48 per cent recycled content. VOC emissions are also below quantifiable levels, contributing to an optimal indoor air quality.

01622 854 040 www.tarkett.co.uk

enq.223

Remmers serve up 5 star flooring at hotel



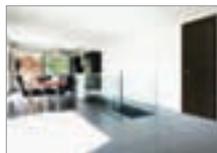
Remmers Floormix DQ system has been installed by Phoenix Specialist Flooring to upgrade the floors and coves to the kitchens of a major hotel chain in the Midlands. The system was laid over the existing quarry tiles using Remmers FAS Primer 100, chosen for its exceptional bond to wet, glazed and difficult surfaces. Due to the nature of the busy hotel kitchen

area, the Floormix DQ system was selected by the client to meet their requirements for a seamless, hard wearing surface that was easy to clean and maintain as well as providing a good level of slip resistance. The installation was carried out over four days as part of a fast track, full kitchen fit-out project.

0845 373 0103 www.remmers.co.uk

enq.224

Giving room designs a taste for chocolate



Chocolate is just one of six contemporary colours introduced by Vicaima as part of its new stained oak doors range, which answers the growing trend for attractively stained real wood veneers in modern homes, apartments and hotel suites. The doors are available either textured or smooth finished in six

popular colours including Hazel, Chocolate, Grey, Limed Oak, Wenge and Walnut, offering plenty of scope for individual design tastes. The new Vicaima stained doors come complete with edge banding to match the faces and can be supplied either as individual door leaves or within a door assembly comprising of door, frame and ironmongery depending upon client requirements.

01793 532333 www.vicaima.com

enq.225

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enq.228



Project:
The Hydro Glasgow

Architect:
Foster & Partners

A sensitive tap that can handle the big crowds

The Hydro, Glasgow's newest entertainment venue, and a city landmark, with a seating capacity of 12,000, will play host to 140 events a year, attracting over one million spectators.

The London-based architects Foster & Partners chose to install Dolphin Infra-red Sensor taps. These WRAS-approved taps aren't just stylish, they go a long way to help conserve water, reduce a building's carbon footprint and have a low environmental impact that helps make a positive contribution to BREEAM assessments.

Dolphin Blue DB100 / DB125

Electronic Infrared Tap

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Crisp, clean stone inspired tiles



Solus Ceramics introduce the beautiful and inspiring Rawstone range, a porcelain stone-effect series of tiles that has been developed for both interior and exterior usage. The range replicates the intricate and handsome tones and colours found in natural stone, and can be used to breathe a sense of life and vitality into any space. Less rustic than traditional stone inspired tiles, the Rawstone range provides a more delicate aesthetic that allows the user to create clean, crisp and modern lines with a natural twist. Described as a minimalistic range, Rawstone is contemporary and chic and is available in a number of contemporary Nordic inspired colours from breezy and cool greys, to bright and luxurious beiges.

0121 753 0777 www.solusceramics.com

enq.230

Changing Places to optimise youth potential



The £3.9 million Orangebox partnership development, an innovative project designed by and for young people in Calderdale, has taken steps to ensure it is accessible to all, by including a state-of-the-art Changing Places toilet. Larger than a conventional 'disabled toilet', the

Changing Places facility incorporates a height adjustable adult-sized changing bench, height adjustable washbasin, hoist and, at Orangebox, a Clos-o-Mat Palma Vita 'wash and dry' (automatic) toilet, all supplied and installed by Clos-o-Mat. Clos-o-Mat has a proven track record on the supply and installation of fully accessible toilets, including a substantial number of Changing Places facilities.

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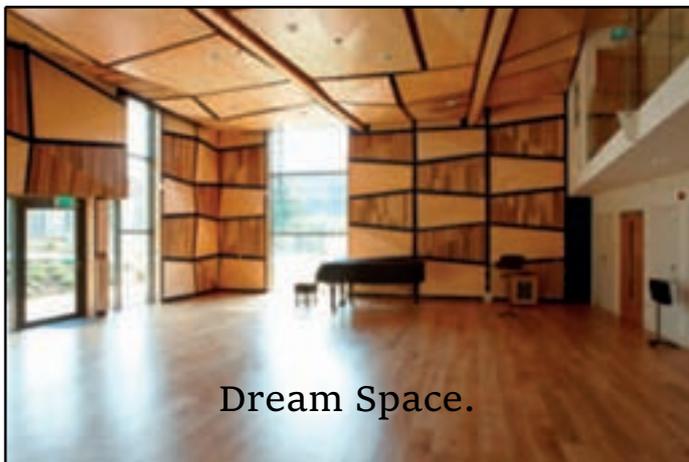
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Project shown: Monkton Combe School. Architect: Nick Shipp



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Integrated approach for new lighting installation



More than 850 of Scolmore Group's Inceptor LED Downlights are providing a low energy lighting solution in a new £3.5 million Apart-Hotel in Piccadilly, Manchester. Inceptor was specifically chosen above competitor products because it provides a solution to the issues surrounding restrictive ceiling voids. Inceptor is a high light output, high performance product that can be fitted into a recess depth of just 60mm – making it one of the most flexible fittings currently available. Scolmore has also integrated its popular Flow Connectors into the product, which make it quick and easy to install, as well as to remove and replace for the purpose of circuit testing.

01827 63454 www.scolmore.com

enq.238

Future proof your homes with a wetroom



CCL Wetrooms provide practical showering solutions with accessibility, features that will become increasingly important as our population continues to age and for those with mobility problems. Including a wetroom drainage system not only offers buyers a wider choice when it comes to the

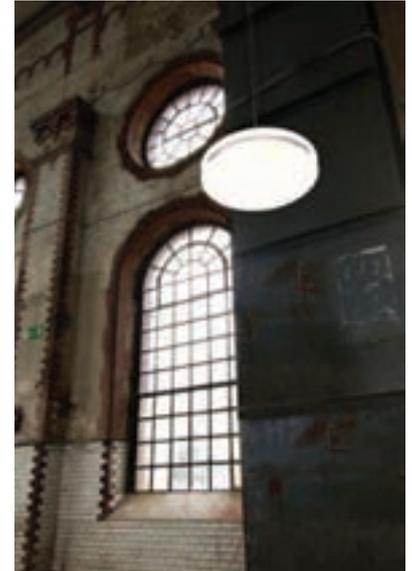
type of bathroom they would like initially, it also offers adaptability and enables an easy change of use if the mobility of the residents changes over time. Buyers will be looking for a home that will adapt to their needs, therefore incorporating an appropriate wetroom drainage system in both the main bathroom and downstairs WC will enable this to be achieved easily and cost effectively.

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Inclusive bathrooms made easy

Ann Boardman, marketing and customer services manager at Saniflo UK, introduces the benefits of specifying inclusively designed bathrooms



Today you can literally install a domestic or commercial, inclusively designed bathroom almost anywhere a water supply can reach, and all without any major ground works. Inclusive bathroom design possibilities are endless with the freedom offered by using macerators and pumps in conjunction with shower cubicles, WCs, basins and brassware specifically designed for ease of use.

In domestic situations, for example, there is an increasing trend among ageing customers – or those with mobility issues – to replace a bath with a shower for ease of bathing. Shower cubicles with integrated panels can offer a swift replacement solution with no need to redecorate, a bonus where budget is limited.

Look for cubicles that are available as corner or recessed designs and don't compromise on style and design. Choose a cubicle that features cool, sleek glass panels, for example, with an attractive anodised finish. Today you can even find cubicles that come complete with an integrated thermostatic shower control, offering you hot water safety. By choosing a cubicle that can be installed in a day you save time, fuss and hassle as there's no need for retiling.

The benefits of installing a shower cubicle rather than an enclosure are many. Cubicles offer a swift and hassle-free showering solution for any shape or size of bathroom and en suite. In most cases, you can have a watertight enclosure (without using silicone), complete with the shower, controls and doors fitted and ready to enjoy in less than two hours.

Sometimes a downstairs room may need to be converted if the consumer struggles to make it up the stairs. This may be an area that doesn't have access to traditional drainage to take the waste away, which may inhibit the conversion taking place unless substantial civil work is carried out.

To overcome this you can specify a shower waste with a suction pump and sensor that enables the installation of level access showers and wetrooms in situations where gravity drainage is not an option. In today's modern bathroom of high output rainfall and power showers such a shower waste is designed to cope with a large deluge of water at any time. Choose a shower waste with discharge pipework of 32mm wide and with a suction pump flow rate of 25 l/min at 3m, which is compatible with the latest waterfall and rainshowers.

Other excellent showering options for an inclusively designed bathroom include cubicles with half-door, regular door and fixed wall options. Look for designs that prevent splashing, that have handles for easy manipulation and that are watertight without silicone.

Choose a cubicle where opening the upper half of the door allows easy access for helping a wheelchair user or a child take a shower in a comfortable, attractive setting.

Ensure the doors can all be individually hinged to enable ease of use, which is of vital importance both for wheelchair users



‘There is an increasing trend among ageing customers – or those with mobility issues – to replace a bath with a shower for ease of bathing’

as well as carers who give assistance in the bathing process.

But if the consumer prefers a bath then there are a variety of walk-in baths available on the market today. Look for options that are desirable for all the family. Go for aesthetics, practicality and price. A walk-in bath is a bath that provides easy access and is not meant as a less able/disabled product. This should be reflected in the design, so there is no need to compromise.

Choose walk-in baths that offer a 2 in 1 product, so a shower/bath, which incorporates a high shower screen, bath access door and removable seat. Ensure the door is easy to

push for easy access.

In addition to providing the perfect bathing facilities, choose a WC that enables the user to adjust the height using a corded remote control, especially one where the seat height can be adjusted up or down while the person is actually seated and where the user can flush the WC without having to turn or stretch. With such a WC, the advantage to those who need assistance when standing up or sitting down is clear: children, adults, the motor disabled and the elderly can instantly adjust height to their particular needs.

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Granite Transformations' accessibility bathroom



Ray and Joan Dabnor are both in their eighties and live in their own three-bedroom house. Joan has severe mobility problems, so the couple recently decided to upgrade their main bathroom for enhanced accessibility, on the advice of the hospital. The work was carried out by kitchen

and bathroom makeover specialists, **Granite Transformations**, and features stylish accessibility products from innovative system provider HEWI. The relatively compact 1850mm x 1670mm bathroom is lined throughout with Granite Transformations' scratch, heat, chemical and water resistant quartz wall coverings and floor tiles, for an elegant off-white, wipe clean finish.

0800 044 5393 www.granitetransformations.co.uk

enq.245

FDS Consult meets the grade at academy



FDS Consult, one of the UK's leading experts in fire engineering, has lent its expertise to the construction of a new academy in West Sussex. FDS Consult was tasked with creating a bespoke fire engineering solution for a 5,600m² floor area, which is well above the maximum 2,000m² compartment size detailed under the Building Bulletin 100 (BB100): design for fire safety in schools. The FDS Consult team recommended a combination of systems including a sprinkler system, which are common

in schools with areas spanning more than 800m², together with a natural smoke ventilation system – a component not usually required in a school environment.

01322 387411 www.fdsconsult.com

enq.246

Changing places with Pressalit Care



When designing bathrooms to be accessible to all, such as in changing places facilities, school hygiene rooms or care homes, **Pressalit Care's** range of nursing benches goes above and beyond the standards required to provide the flexibility required in such installations. With ease of use paramount for

both user and carer, Pressalit Care's nursing benches include both height adjustable and fixed height options, designed to provide a stable platform for changing adults or children. The award winning Nursing Bench 3000 model provides for maximum safety and comfort. An adjustable head and neck support and slightly curved contour makes this bench extremely comfortable and safe.

0844 8806950 www.pressalit.com

enq.247

Avoiding Part L risks



Following implementation of the new Building Regulations Part L, concerns are growing that greater air-tightness in new housing could increase carbon monoxide poisoning risks, justifying more stringent requirements for CO alarms. The latest generation of self contained CO alarms with sealed-in battery from

Kidde provide a safe, cost-effective solution. Kidde's 10LLCO is the only range of 10-year guaranteed alarms with CO sensors. It is specially designed for quick and simple installation. It offers low cost of ownership, with 'Best Value' over the 10-year life, and is ideal for social and private landlords. It also has a digital display to provide early warnings of intermittent and low levels of carbon monoxide.

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FDS' expertise secures Southbank appointment



The expertise of award-winning fire safety system design and installation contractors **Fire Design Solutions (FDS)** has seen it appointed to one of London's most exciting new residential developments. The contract will see FDS work with property developer St James, part of the Berkeley Group on the exclusive Riverlight development on London's South Bank. The FDS team is tasked

with the design and installation of residential sprinkler, mechanical smoke venting and fire alarm systems for three of the development's blocks, which will stand between 12 and 20 storeys high. Once complete, the buildings will house apartments, penthouses, a gym and swimming pool and car parking facilities.

01322 387411 www.firedesignsolutions.com

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Future proofed housing with Aico CO alarms



Denbighshire County Council in North Wales is fitting **Aico Carbon Monoxide (CO)** alarms in to all of its properties containing gas and solid fuel appliances in anticipation of changing safety and building regulations. It has recently made the decision to fit CO alarms

within its 3,500 strong housing stock. The Council turned to Aico as they have enjoyed a good relationship, and is happy with the products and support supplied by the company. The Ei261ENRC is a mains powered CO alarm with rechargeable Lithium Cell back-up for added safety and a cost-saving replaceable CO sensor design. It features the latest generation electrochemical type CO sensor which is pre-calibrated and tested in CO gas to ensure accuracy.

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Maintenance-free decking looks like real wood



Reliaboard is the latest composite decking to be launched in the TimberTech range by Greensquares. With an authentic wood grain look, Reliaboard carries all the advantages of TimberTech composite decking but at a budget conscious price level. Reliaboard decking is perfect for modern life as it doesn't need painting, sanding or sealing. All it needs to keep looking good is regular sweeping and a very occasional jet wash, leaving time to enjoy the garden rather than working on it. As a composite material, Reliaboard is a blend of wood and polymer meaning that it won't split, crack, warp or fade. It is also algae and slip resistant.

029 2037 1584 www.timbertechuk.co.uk

enq.254

Densoband aids crash barrier installation



Winn & Coales' Densoband has been chosen for use in the installation of new crash barriers on the A898 Erskine Bridge, Glasgow. The volume of HGV traffic has greatly increased since the bridge was opened in 1971.

Consequently the existing barriers in the central reserve will not provide appropriate levels of protection to the bridge towers and cable anchorages against impact from the largest HGVs. Densoband is approved by the Department of Transport in the Manual of Contracts 7th Edition for use in asphalt wearing course joints for asphalt and asphalt to concrete interface as an alternative to the previously commonly used bitumen.

020 8670 7511 www.denso.net

enq.255

GATEMASTER gate closers



Renowned for their quality manufacture and reliability, GATEMASTER gate closers from Signet Locks can be fitted to metal and timber gates to ensure controlled and secure closing at all times. Local regulations on self closing gates vary so please check with the local authority before fitting these products. Experience in this field demonstrates that, when used correctly, these closers will reliably close gates for many years. GSB gas strut closers are top quality gate closing struts, ideal for closing gates up to 80kg. There is no need to release gas to reduce the spring force, just simply move the strut along the slots in the brackets to adjust the force exerted. The adjustable brackets also make the installation easy as there is no need to compress the spring when fitting it to the gate. It is ideal for both fitting to new installations and retrofitting to existing gates. APS hydraulic gate closers are hydraulically controlled with a top hinge kit that has been developed using proven technology to provide reliable gate closing. They are vandal resistant and suitable for gates up to 120kg. The robust closer unit is fitted underneath the gate, meaning it is unobtrusive, and this also acts as a load-bearing lower hinge. The kit includes a top hinge assembly which is fully adjustable to enable the gate to be positioned correctly after installation, with no power required.

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Designing for play

Liz Townsend, a play space designer at HAGS-SMP with 18 years' experience, addresses the key aspects in this specialist area of design that is rarely covered in formal landscape architecture study. Below are some of the essential design elements to consider

Place setting

The location of a play space is as important as the play area itself. The designer should think about other formal or informal places children can access within walking or cycling distance? How will the new play space add value and enhance this?

Consider distance from home, access routes and boundaries – what lies beyond that could enhance or be detrimental to a newly built play space? Also think about the type of users and frequency of use this space may have – is the play area location in close proximity to housing? Should it be on route to and from school or perhaps near a busy shopping centre?

What barriers could there be for children playing there – a road too busy to cross safely, or a location too secluded and unsafe? What environmental factors could enhance the play area? Are there woods nearby that could offer even more play opportunities? Or existing facilities like a community centre or shop that could help ensure high usage of the new play space?

Play types

Design the play space with the 16 types of play in mind and consider how they can be integrated to offer a great variety of experiences. Great play areas are accessible to everyone and create opportunities for progression from easy activities to more difficult challenges as children grow and develop.

Physical play (loco-motor and rough and tumble play types) is the most obvious and can incorporate movement, climbing, sliding, rocking, rotating and swinging.

Social aspects like group play, interaction and role play are just as important, as they allow children to participate in creative and fantasy play. Giving children the opportunity to explore, discover and use their imagination, creating a place loved by the community that children want to return to again and again.

Aesthetics

Consider the setting and surroundings. Is the space set in a rural or built up location? What is the style, age, texture and colour of the surroundings? Do you want your design to be sympathetic to the surroundings and blend in or do you want to create something more striking and in deliberate contrast to the vernacular? Is there a design code for the development?

There are so many possibilities with a wide variety of products available for both the landscaping elements and the play equipment structures that a design style should be considered and agreed upon from the outset with buy-in from the client and other stakeholders. This should cover materials,



textures, colour palate and height/scale. Users should be considered; will they be very young children who recognise and respond to bright colour accents or older children who tend to have a more refined palate and recognise design styles in the world around them?

Safety

A sense of personal safety is very important to visitors. This may be derived from good visibility and sight lines into and out of the play space. Cleanliness of the space can be considered; whether dogs are allowed, the general appearance of the surroundings and good repair of structures, equipment and surfaces.

At design stage technical assessments should be made to determine risks children may encounter and what benefit this gives the child. As part of the risk-benefit assessment the designer must consider the layout of the site, desire lines, position of key features and equipment, areas of dynamic movement, creating bespoke elements and any risks that may be associated with the wider environment. Some risks are

Continued overleaf...

‘Do you want your design to be sympathetic to the surroundings and ‘blend in’ or do you want to create something more striking and in deliberate contrast to the vernacular’



acceptable: “good risks” that are foreseeable and aid learning or provide a thrilling experience such as a big swing ride or high slide. Others are “bad risks” that should be mitigated by the designer to make them acceptable. A bad risk could be a deep river with strong current very close by or an inviting climbing

tower that is structurally unsafe – children could not anticipate these risks for themselves, nor gain any benefit from encountering them in a ‘play’ situation.

The Health & Safety at Work Act is the umbrella law for public play areas, with many good practice guidelines published on designing and creating play areas that mitigate common pitfalls an inexperienced designer may face. Pre-construction design assessments and post installation inspection of the project by a specialist third party will give the owner peace of mind and helps securing insurance. Specialist bodies for advice are RoSPA, Play England, Play Wales, Play Scotland and the Association of Play Industries.

One way to ensure good practice is to specify play equipment with a certificate of safety testing, usually to the European Standard EN1176.

Sustainability

Consider how building materials will react to wear and tear, misuse, vandalism and sustainable sourcing. How long does the client expect this place to last for? Some materials develop an interesting patina with time and use; others break down and eventually fail to perform to their original purpose. Also consider the environmental impact of a location; it is coastal or prone to flooding? Is the site prone to vandalism, if so what kind? This should influence the materials and the way the play area is constructed to be appropriate and sustainable in its location.

enq.259

Jeckells shade sails create finishing touch



Jeckells the Sailmakers has recently manufactured four shade sails for the ceiling of Sowerbys Estate Agents’ office in Wells-next-the-Sea, Norfolk, after it was flooded in December 2013. The office was reopened in early April with a makeover that gives visitors the impression they are standing on the deck of a classic yacht. As part of the makeover, Jeckells was briefed to create authentic-looking,

yet fire retardant, sails to cover the artex ceiling. The resulting sails were made from a pre-treated cotton fabric, with tan stitching and hand rope work for added authenticity. For further information contact Jeckells.

01603 782223 shadesails@jeckells.co.uk

enq.260

Sutcliffe Play swing helps deliver fun to London



© John Sturrock

A swing designed by play equipment specialist Sutcliffe Play will be enjoyed by commuters and visitors in London from its position within an unusual art installation. After a brief stint away, the IFO (Identified Flying Object) is returning to its base in Battle Bridge Place, between King’s Cross and St Pancras stations. At night it will light up in a rainbow of colours. Andrew Love, Area Sales Manager for Sutcliffe Play,

said: “We are very proud of Sutcliffe Play’s expertise when it comes to designing a wide range of swings – but the IFO swing is one of our more unusual projects! We’re delighted to have been able to contribute to such an exciting installation, which I’m sure will bring a great deal of enjoyment to visitors to King’s Cross.”

01977 653200 www.sutcliffeplay.co.uk

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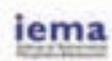
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